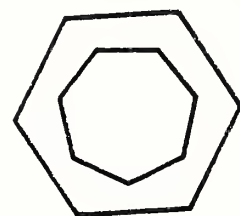
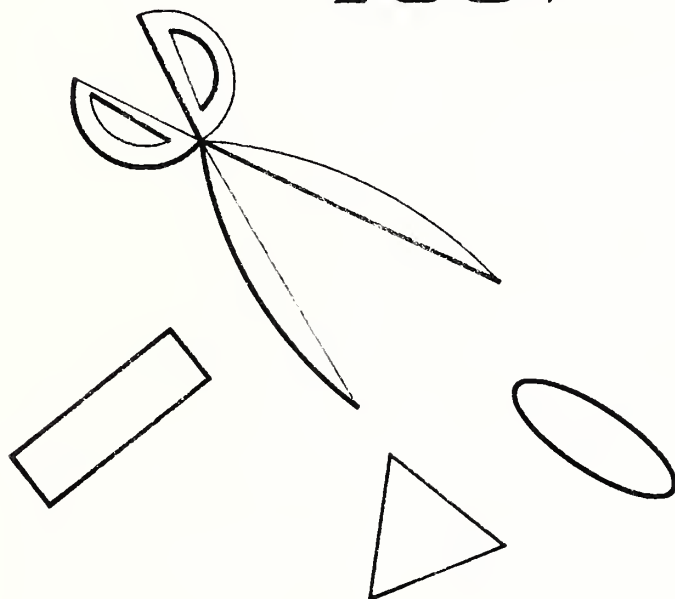


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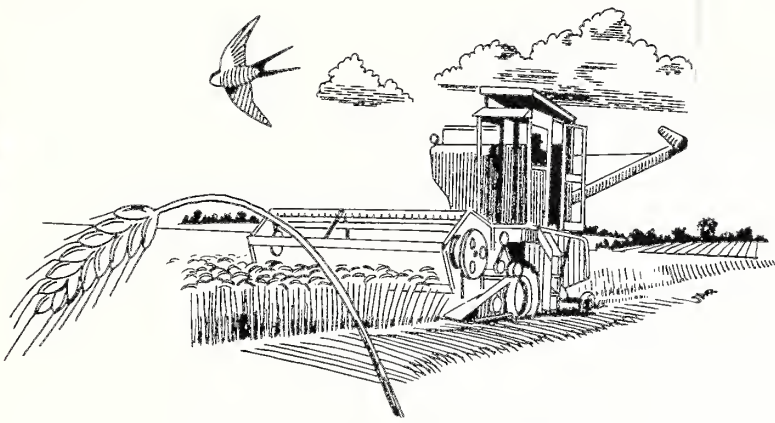
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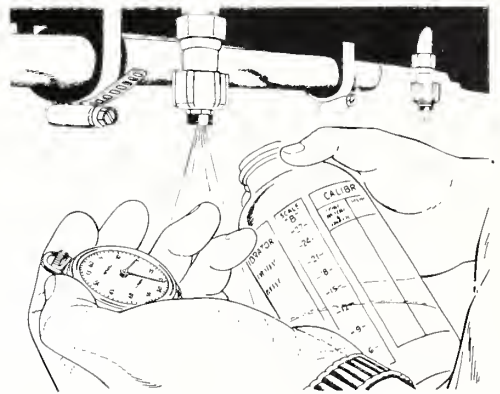
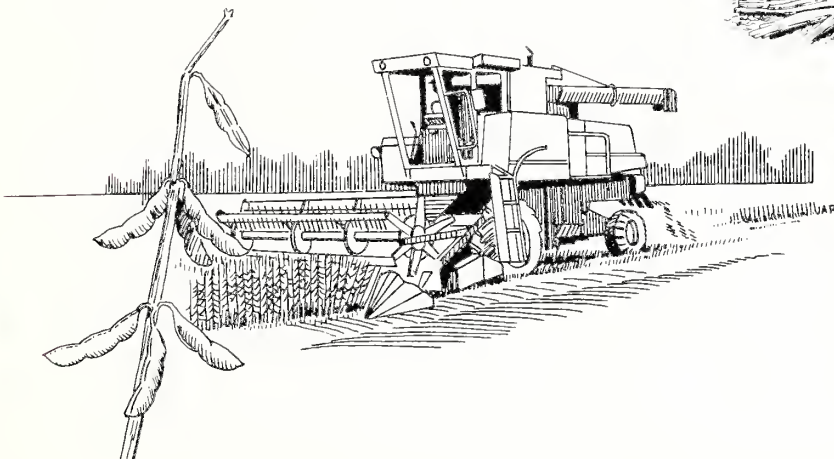
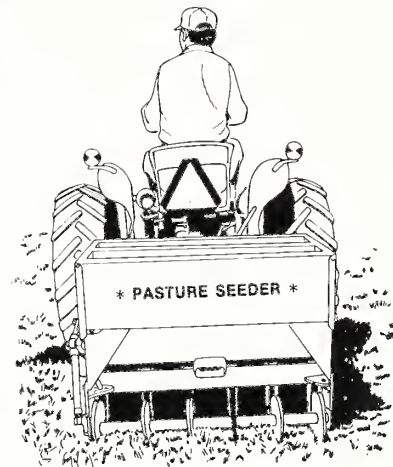
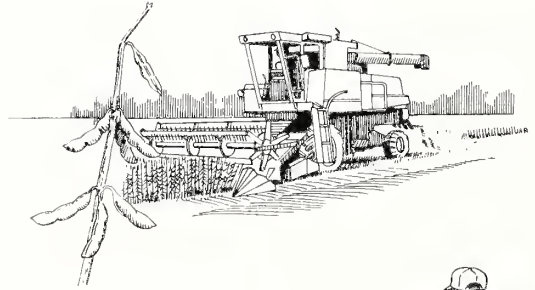
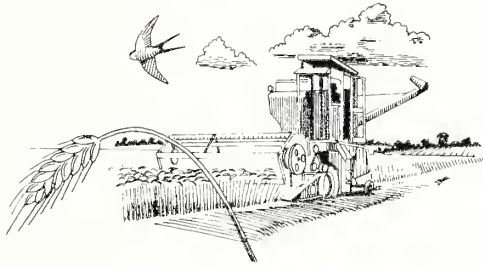
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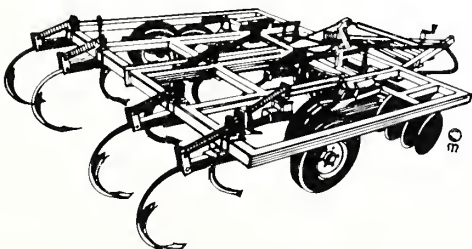
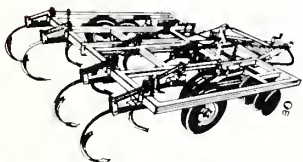
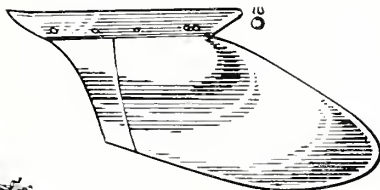
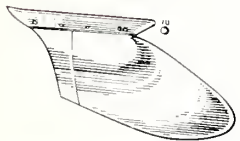
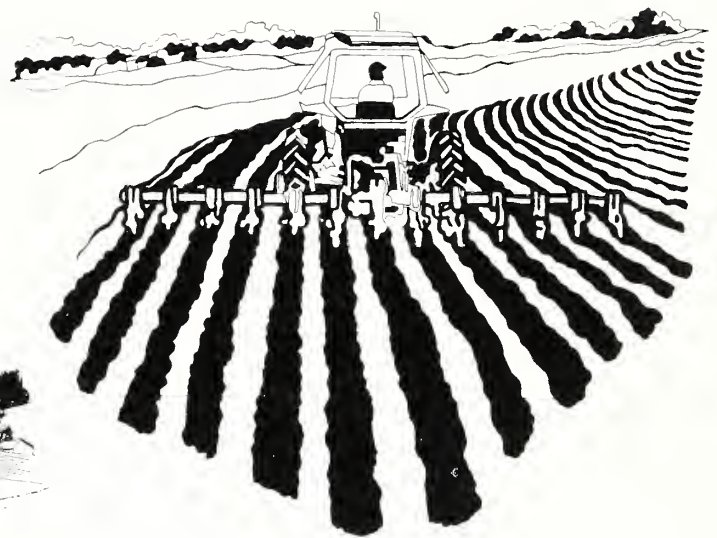
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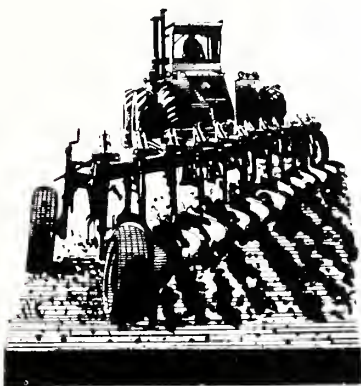
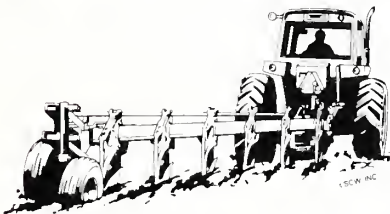
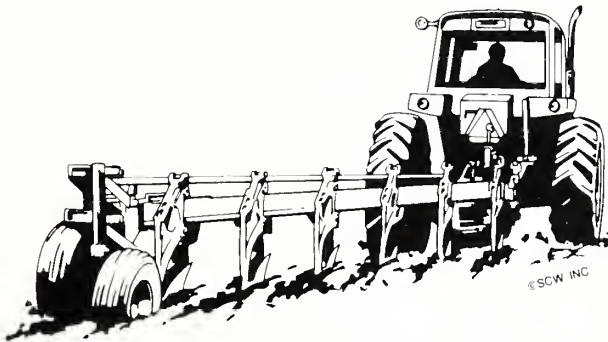
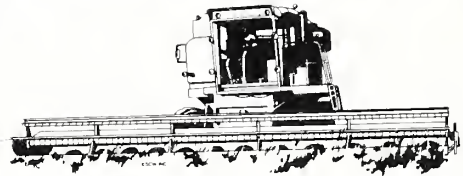
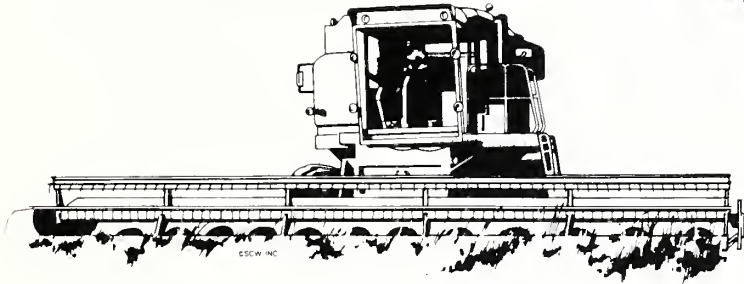
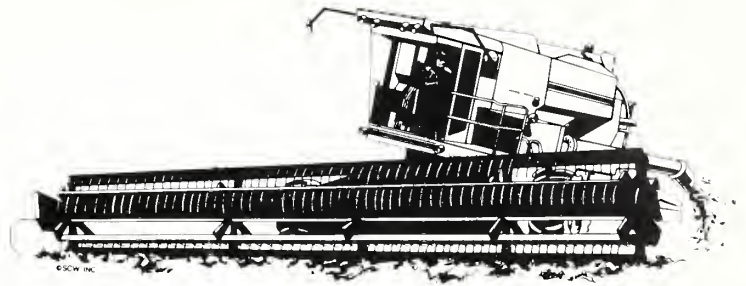


NO-TILL
CROP

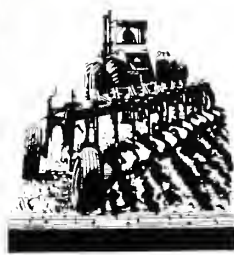








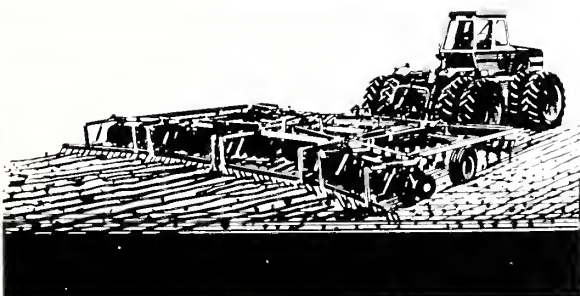
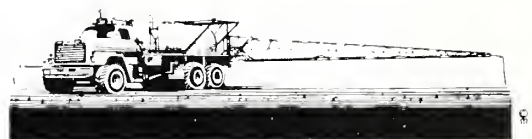
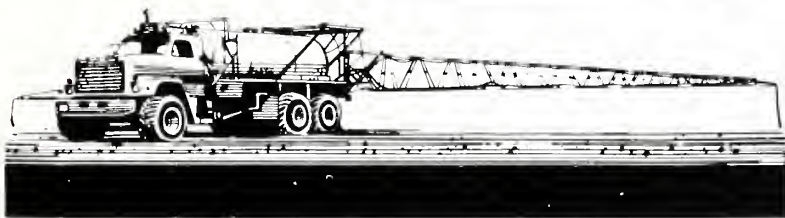
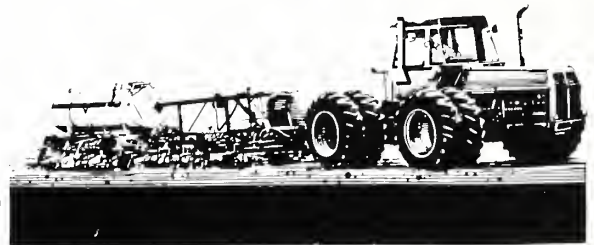
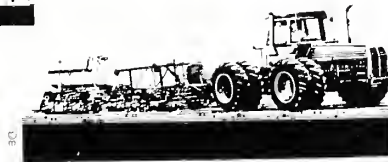
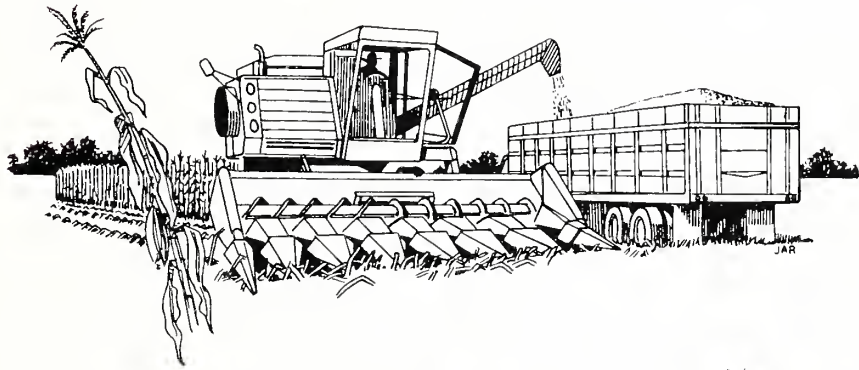
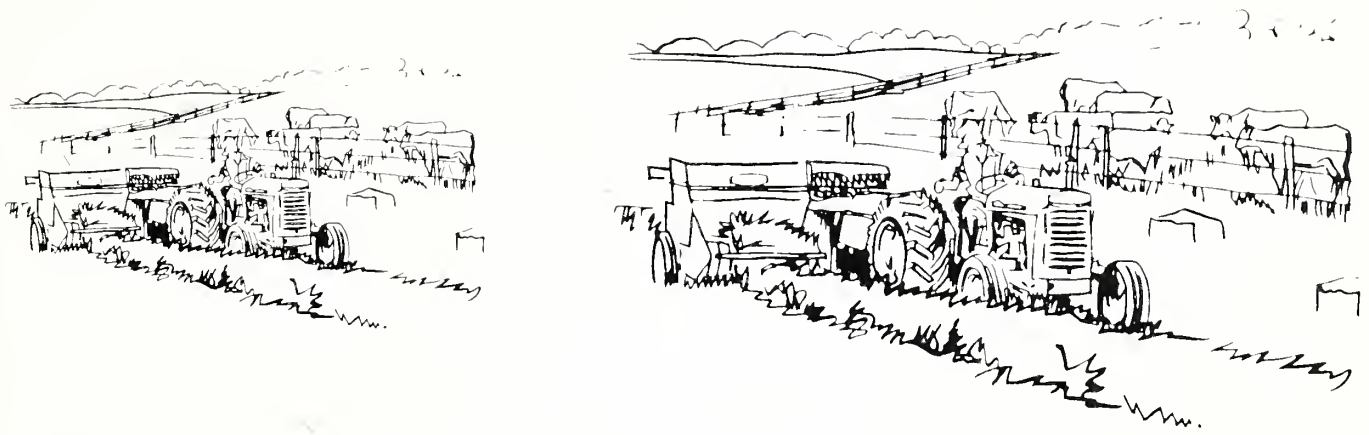
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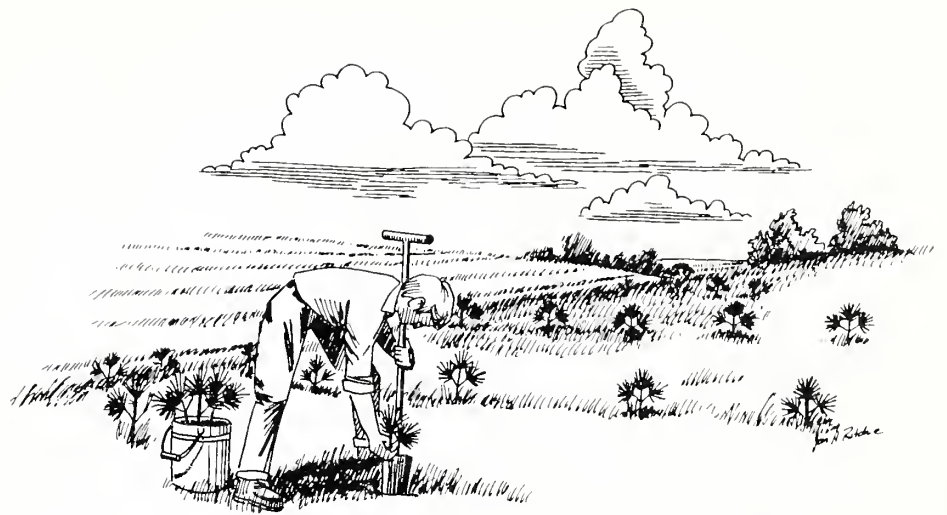


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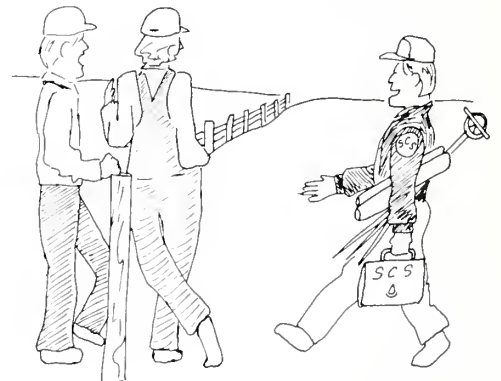
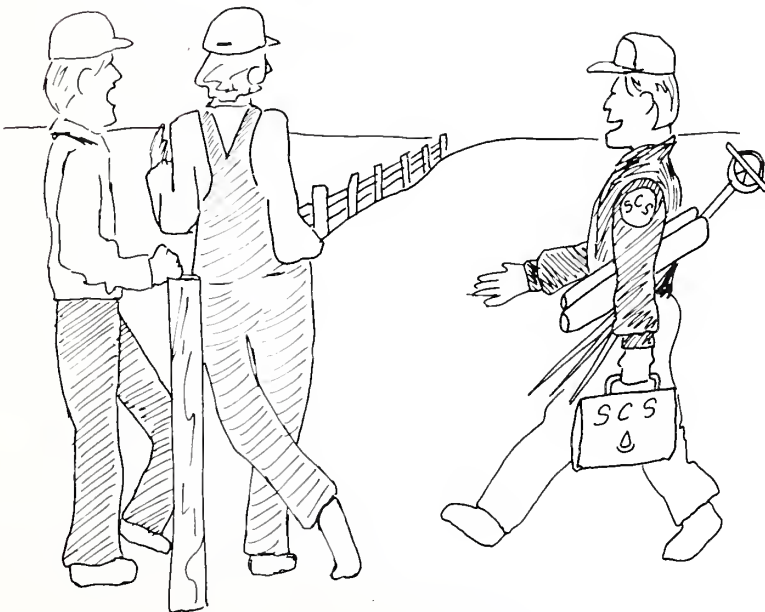
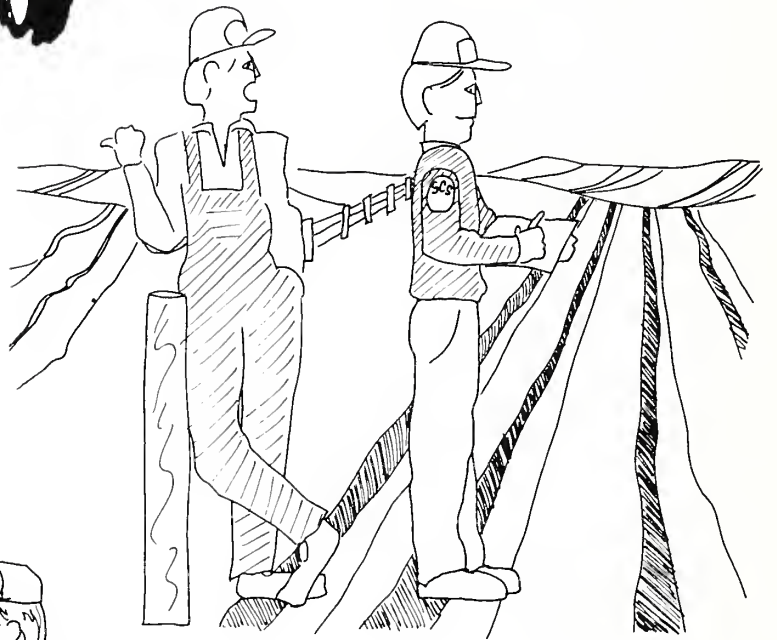
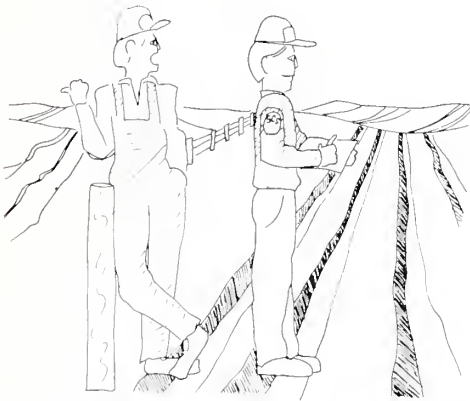
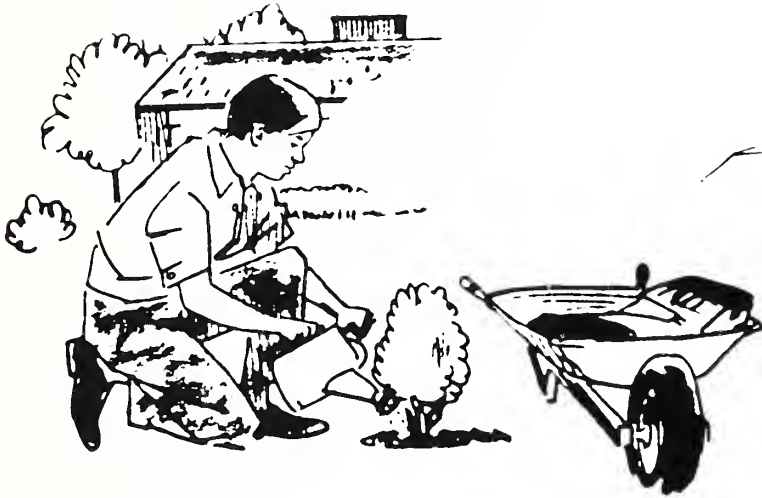
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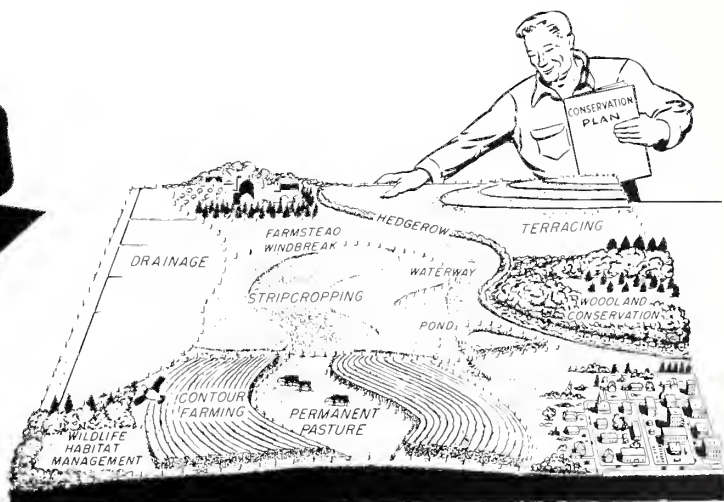
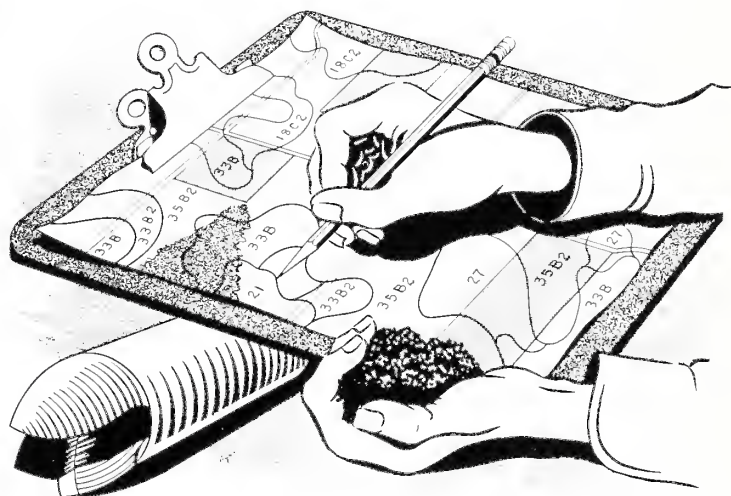
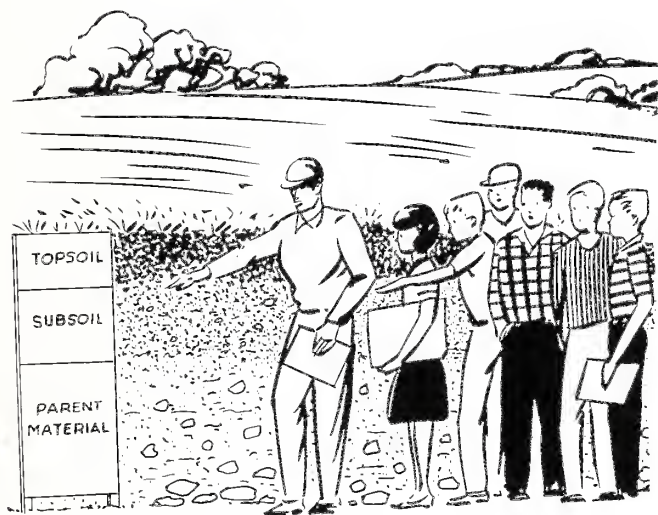
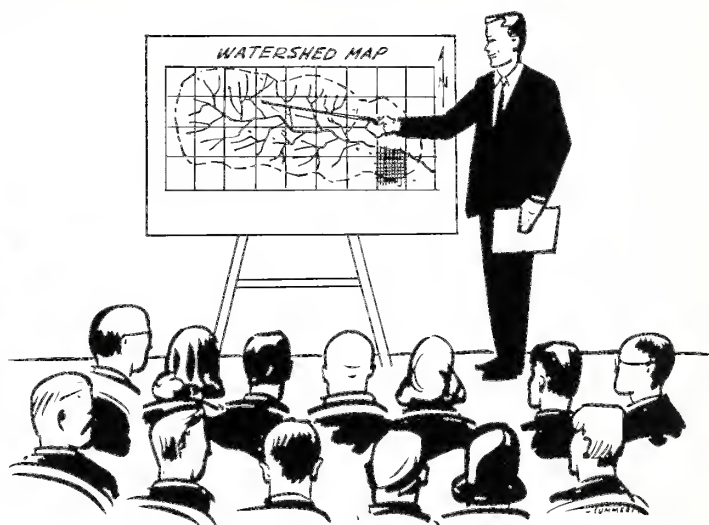


"TO SWITCH TO
NO-TILL,
TWO THINGS
HAVE TO CHANGE...
IF YOUR
MIND AND YOUR
PLANTER!"











OE



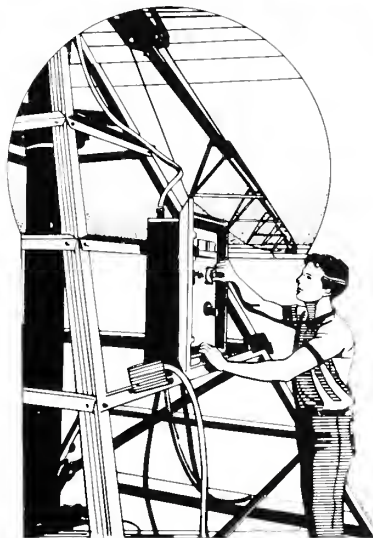
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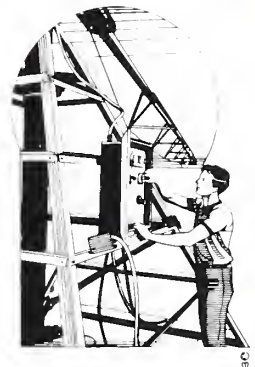
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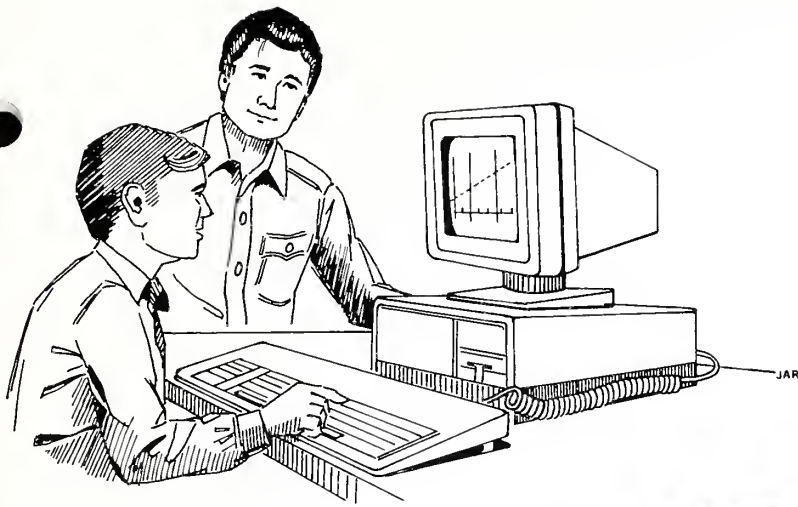
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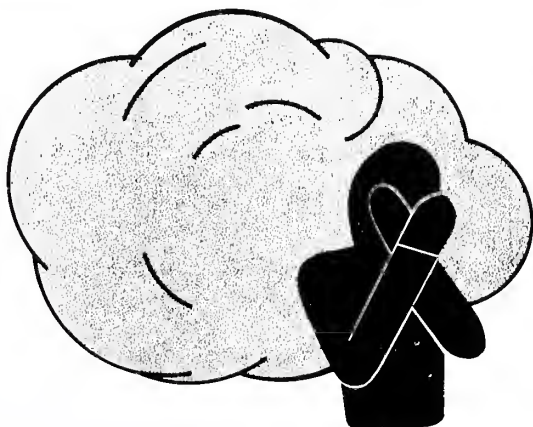


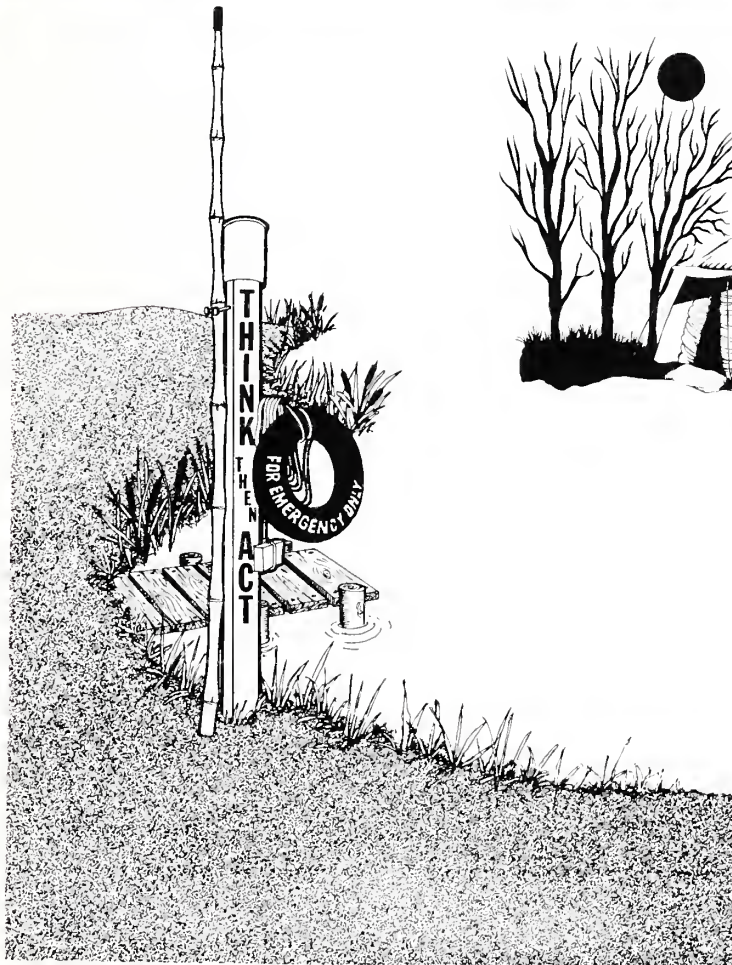
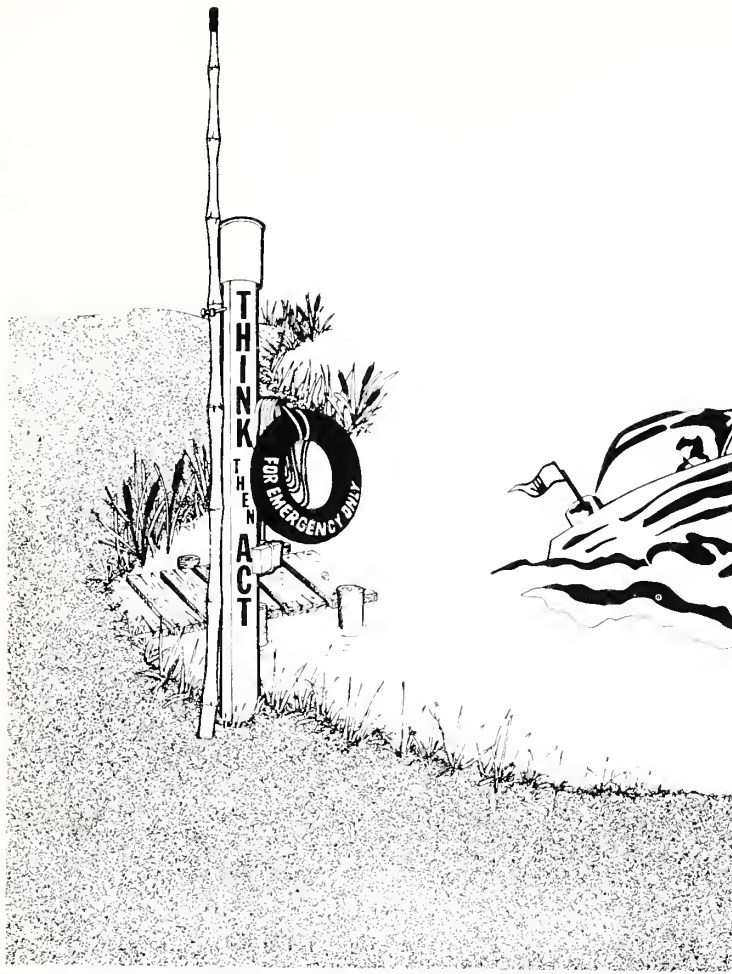
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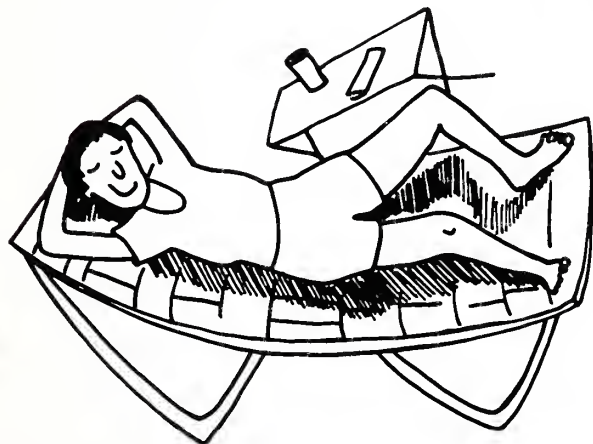
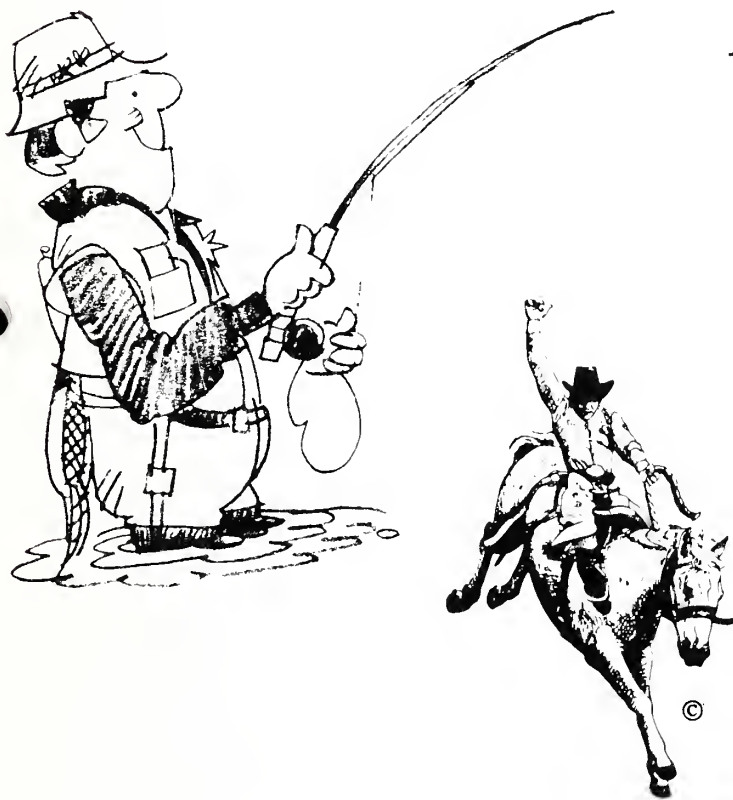
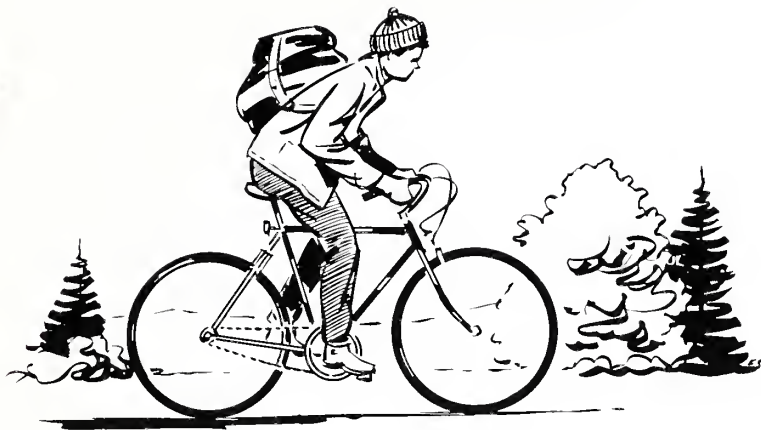


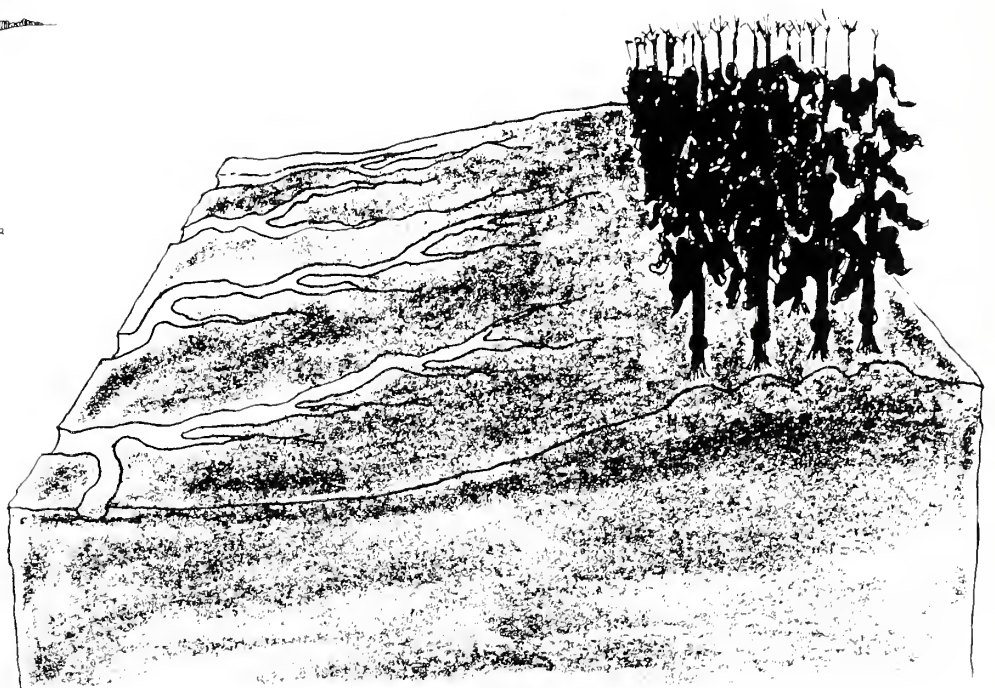
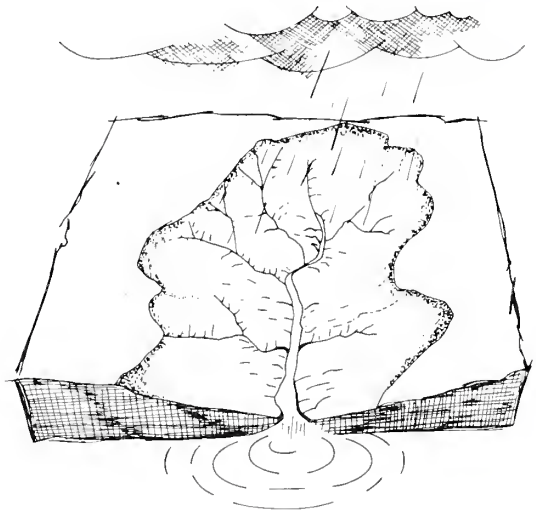
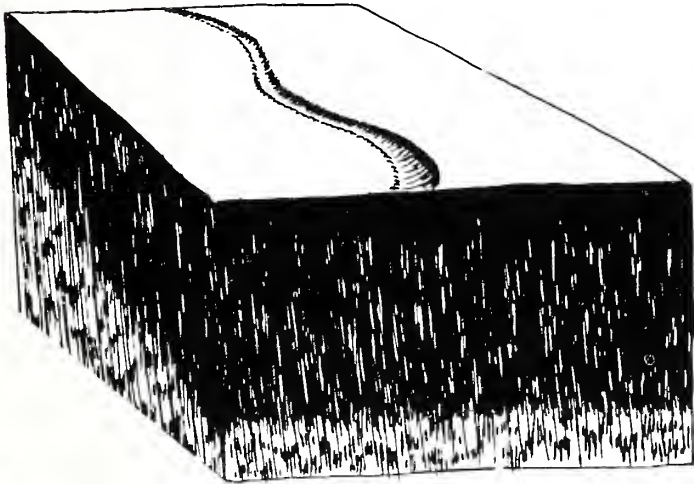
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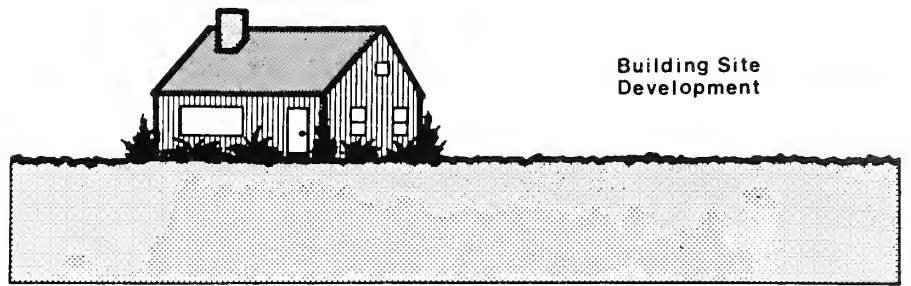
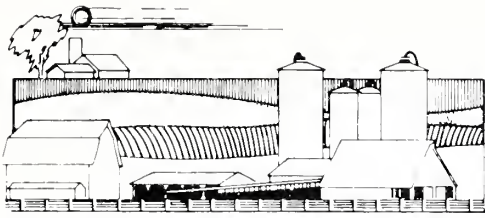




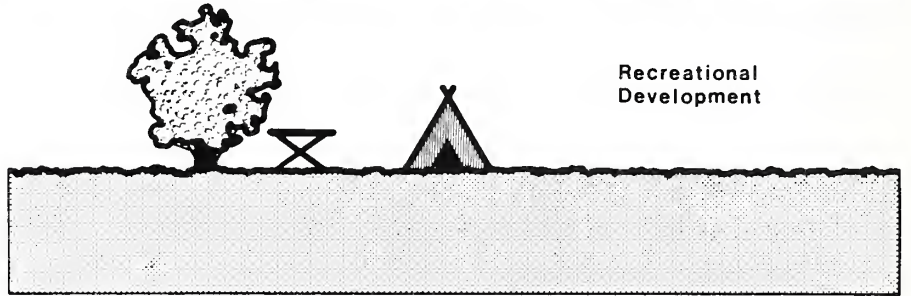




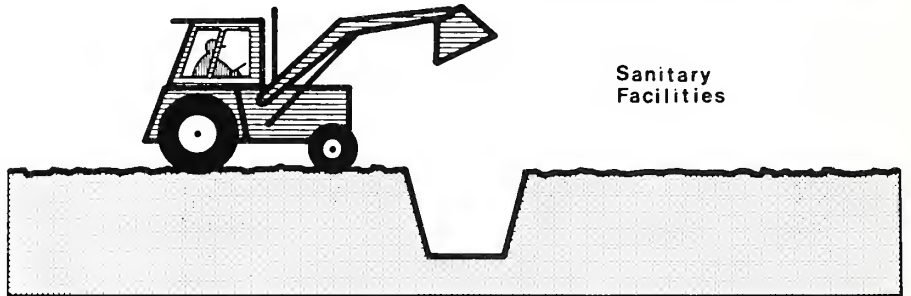
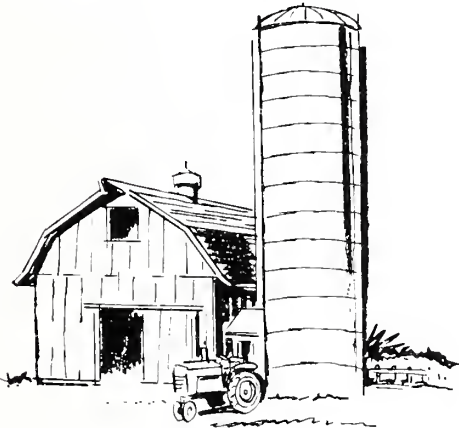




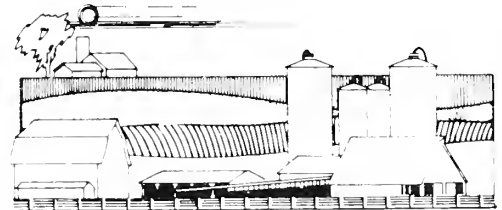
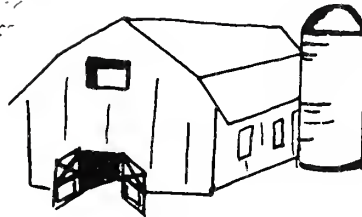
Building Site
Development



Recreational
Development



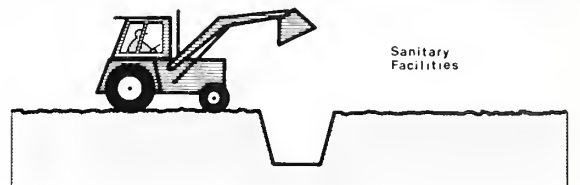
Sanitary
Facilities



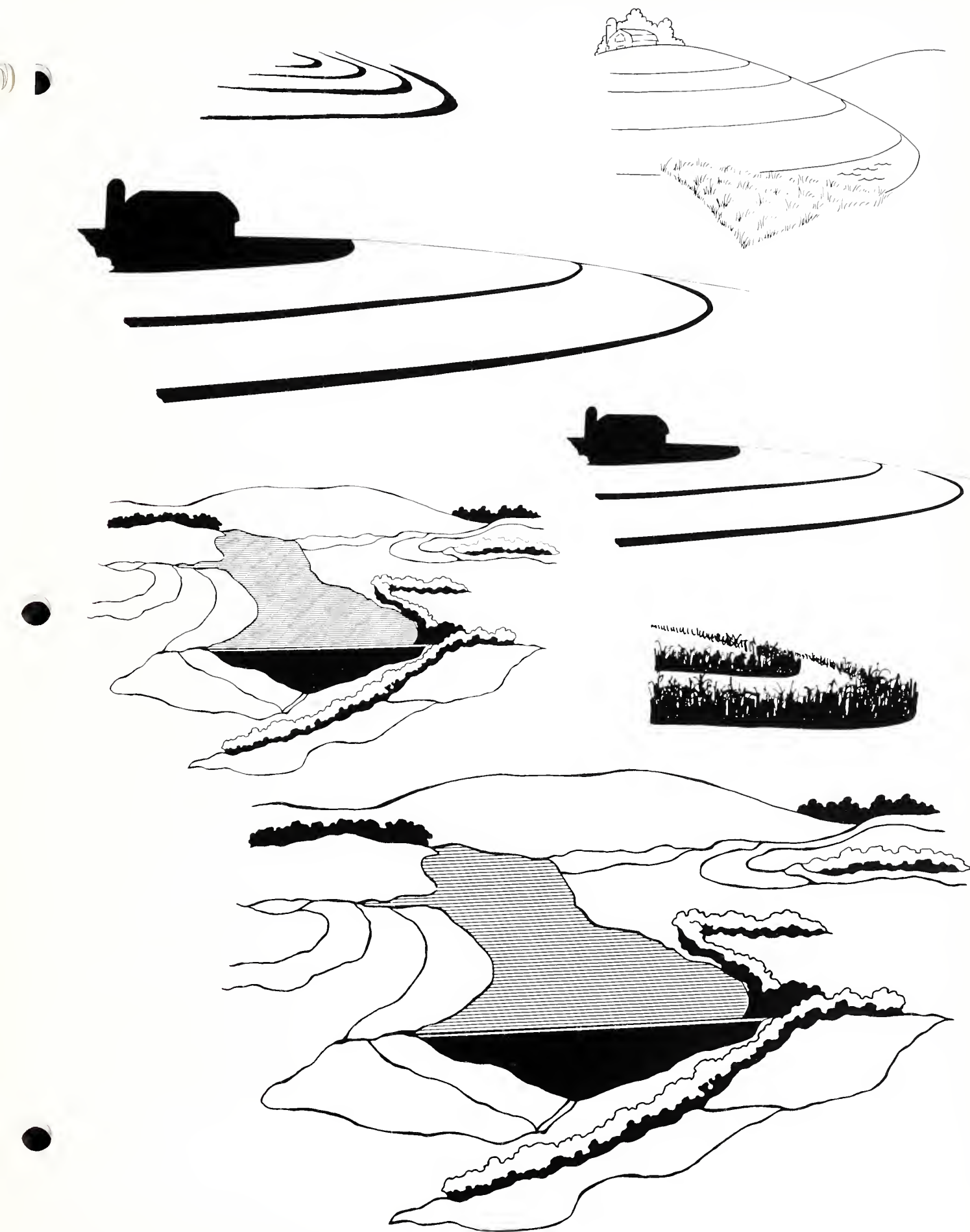
Building Site
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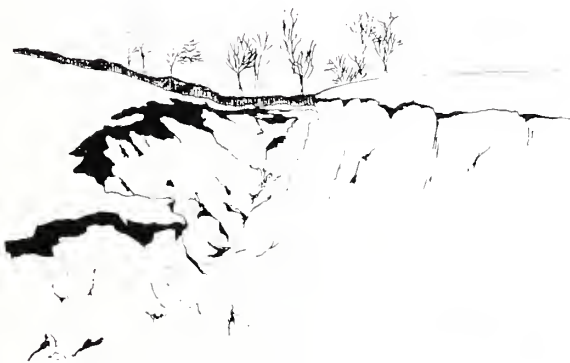
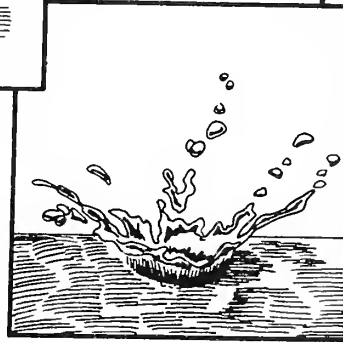
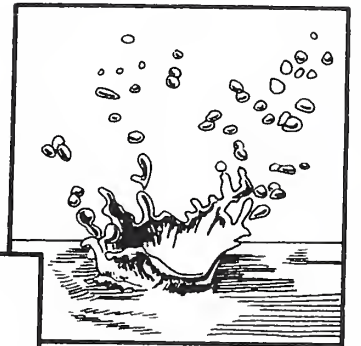
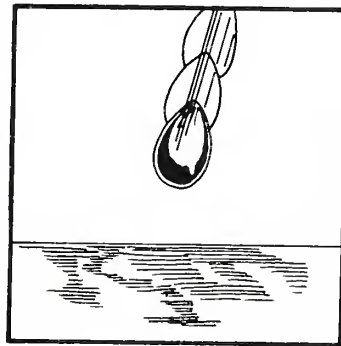


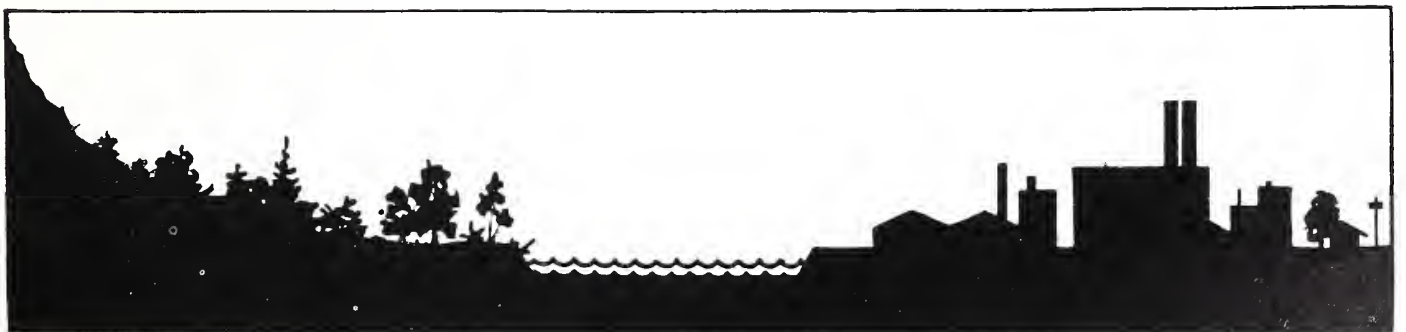
Recreational
Development



Sanitary
Facilities

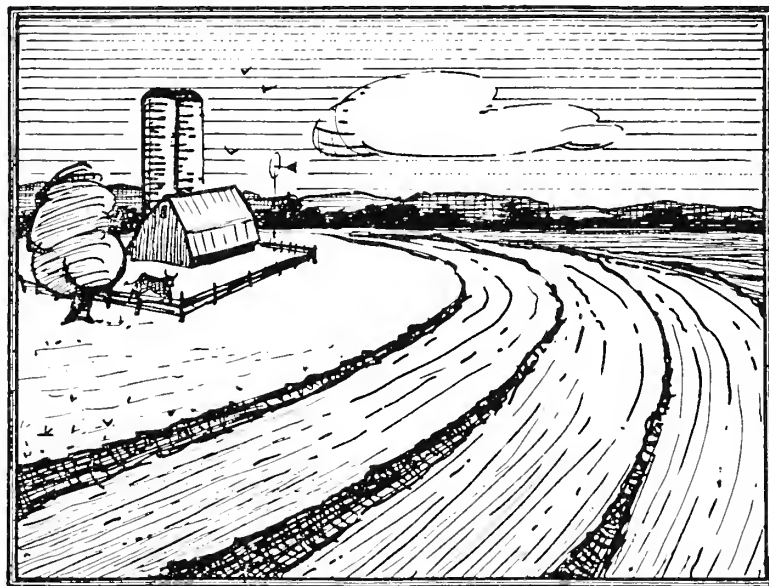








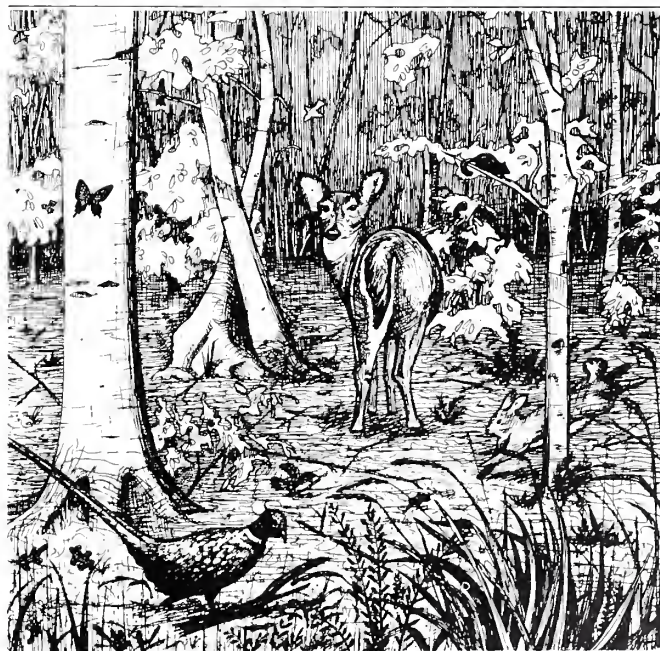
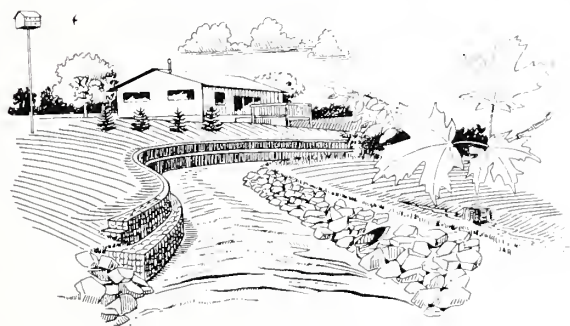
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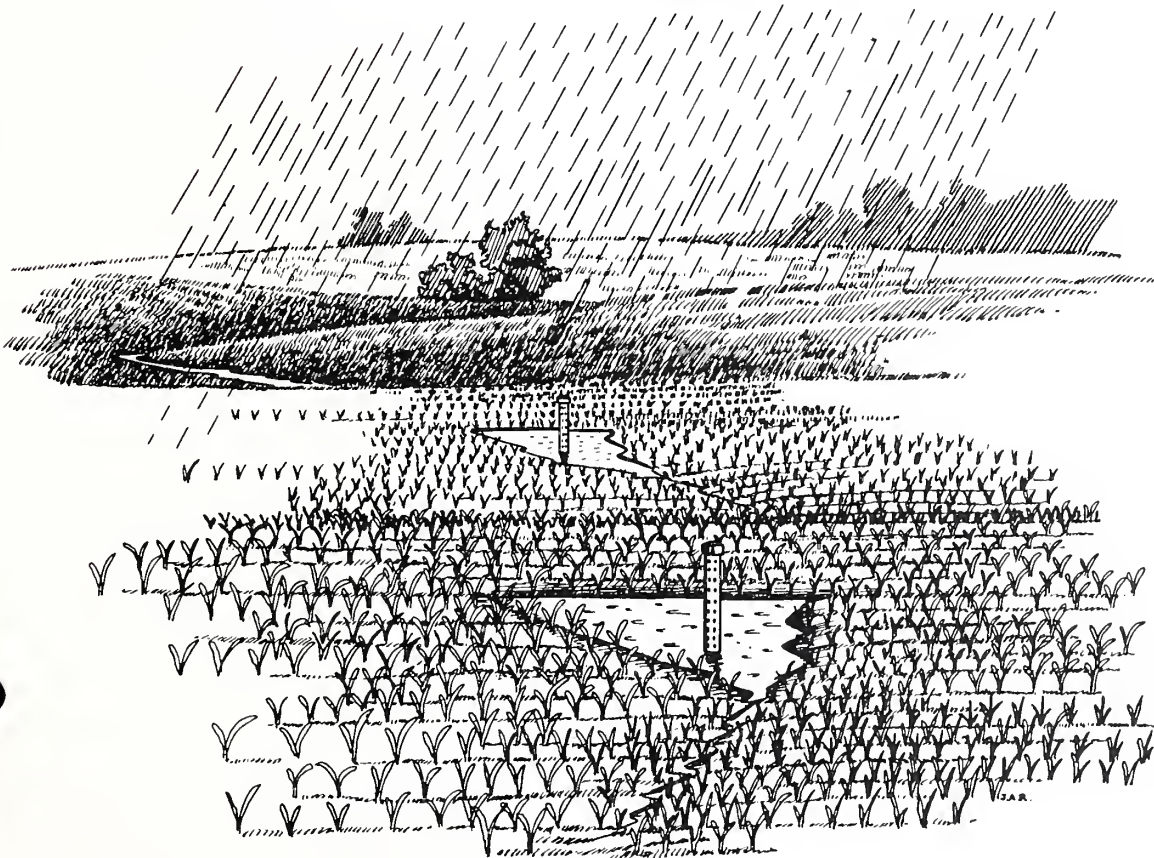
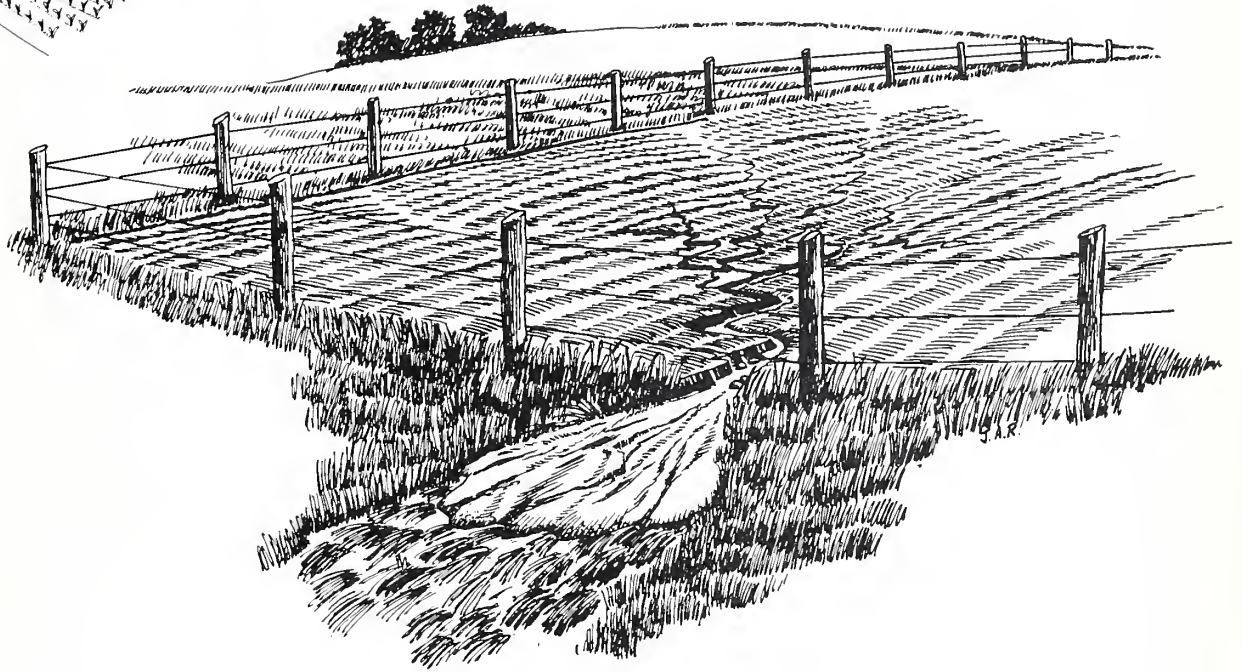
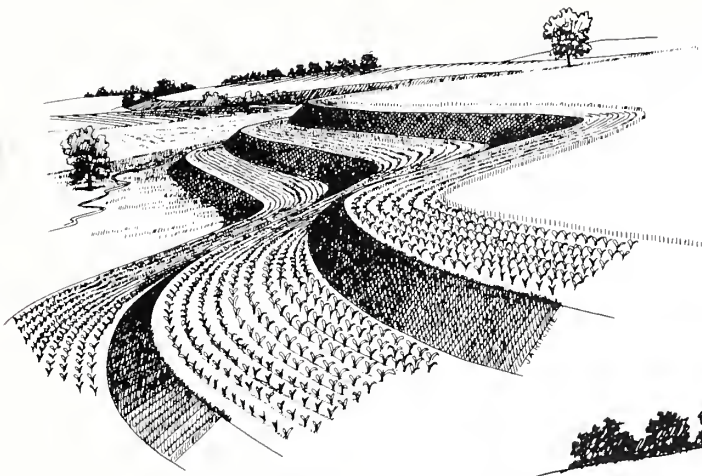
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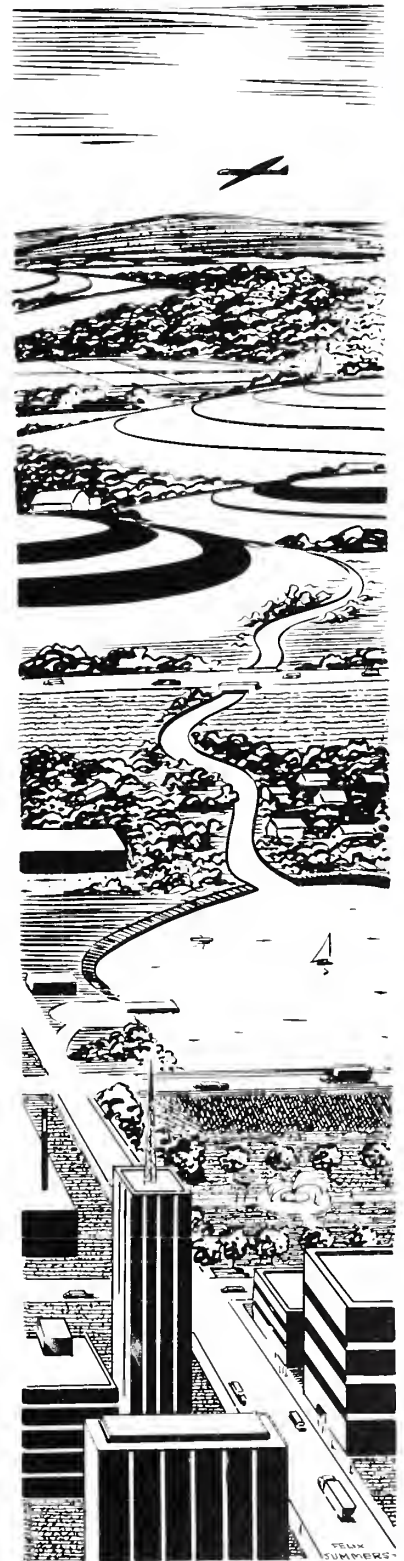
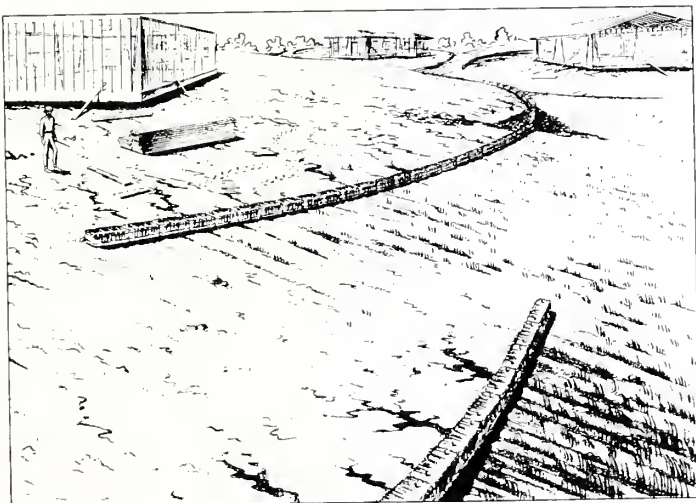
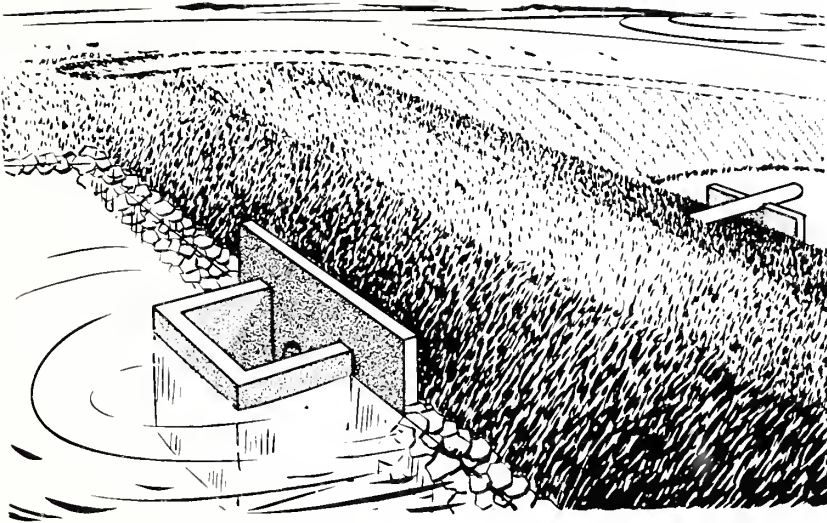


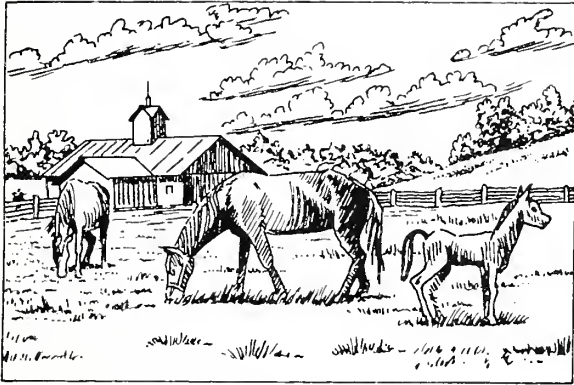
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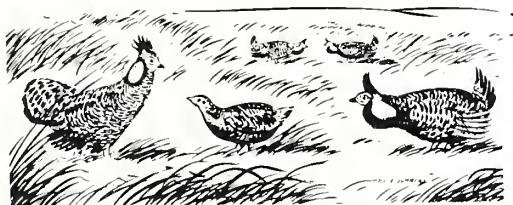
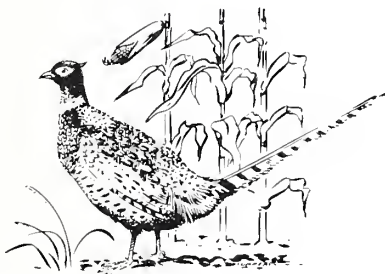
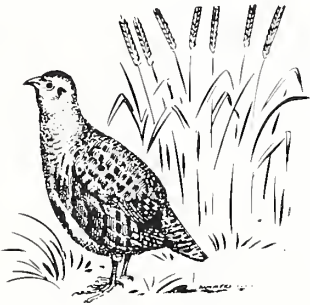
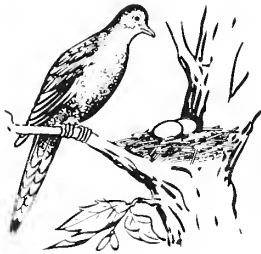
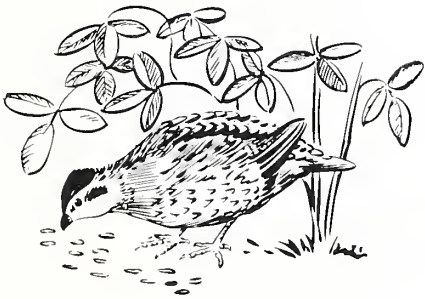


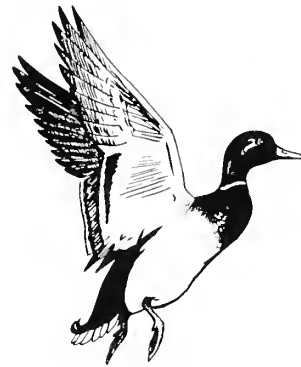
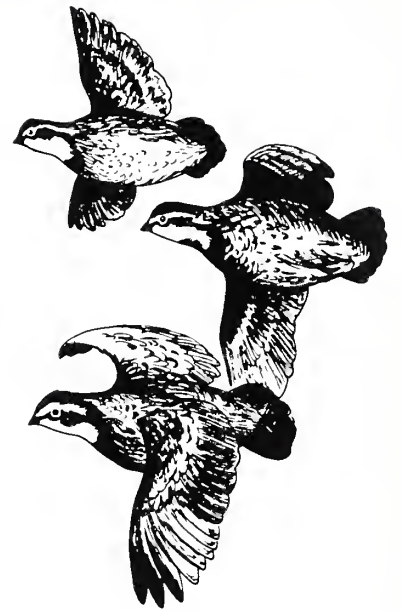
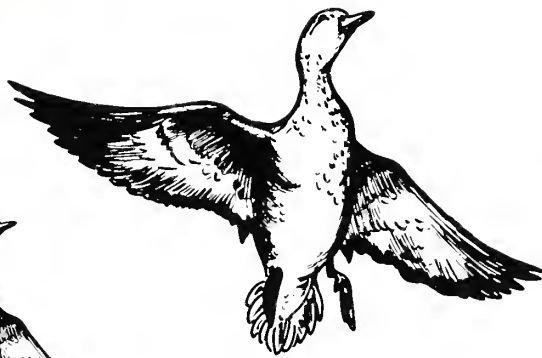
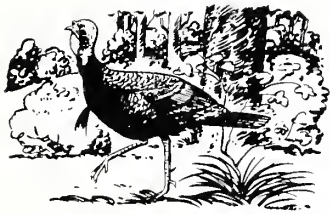


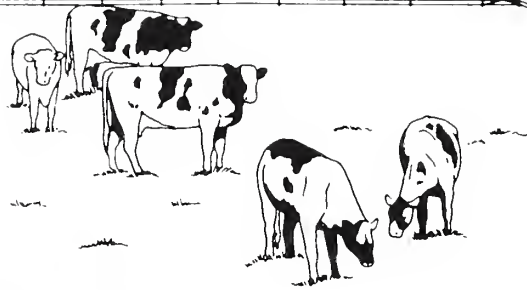
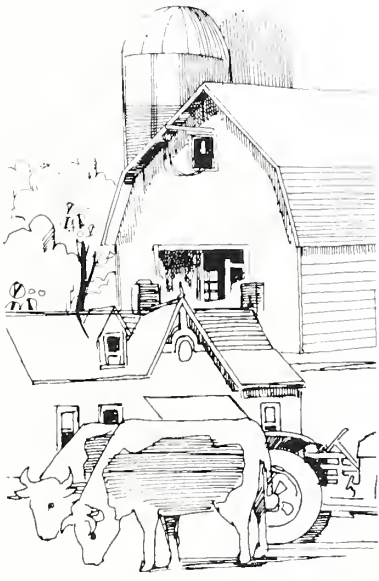


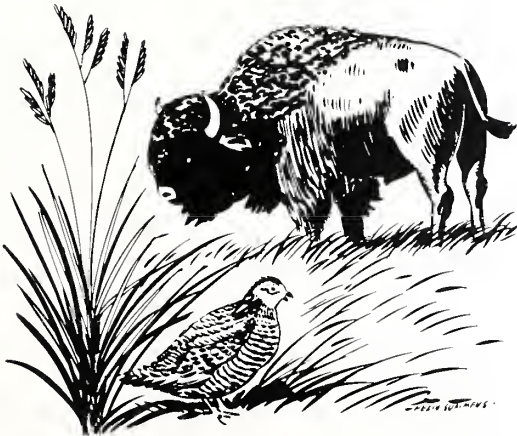
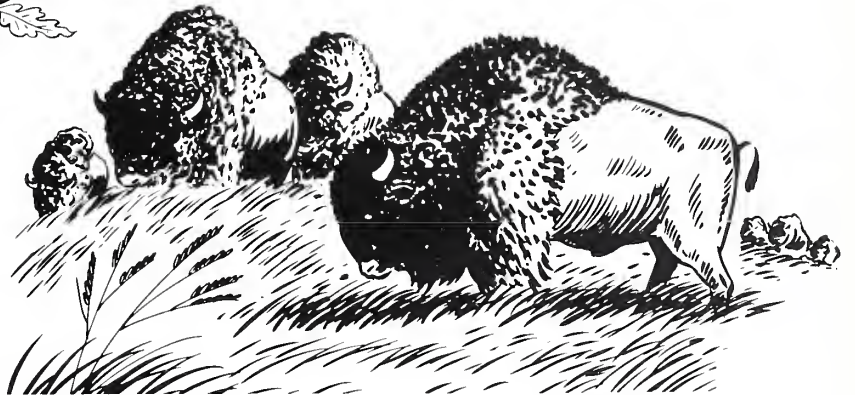
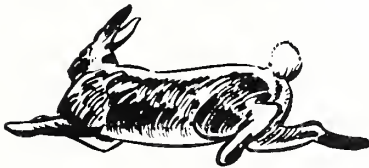
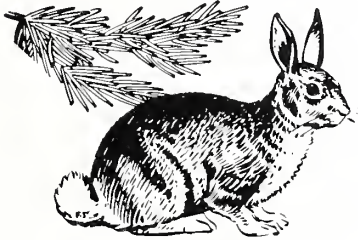


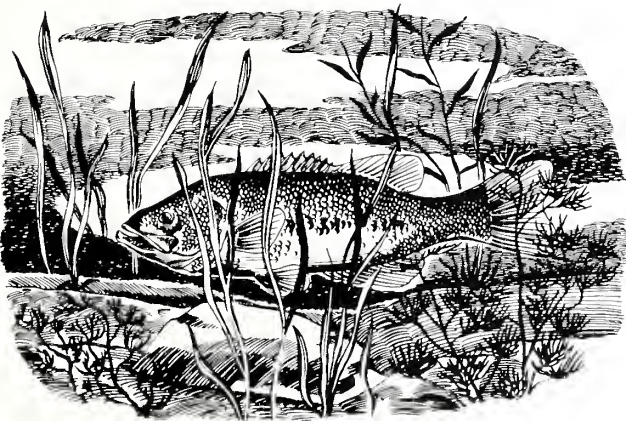
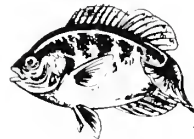
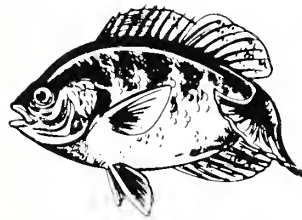
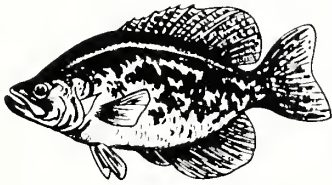
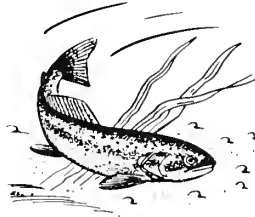
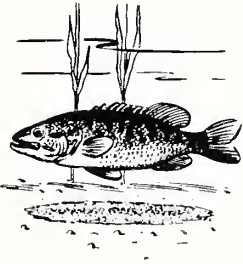
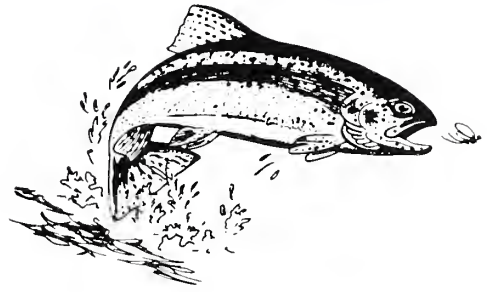
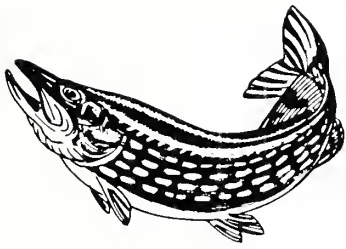


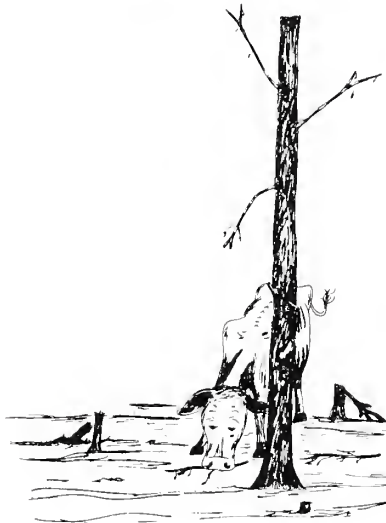
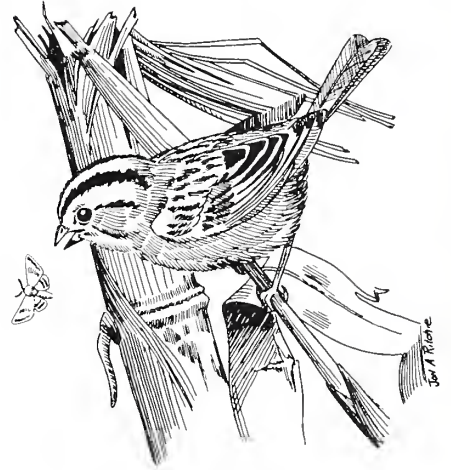
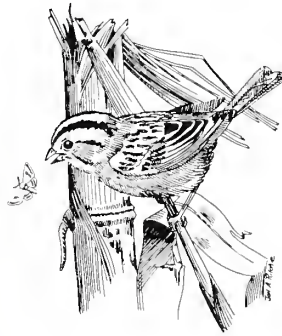
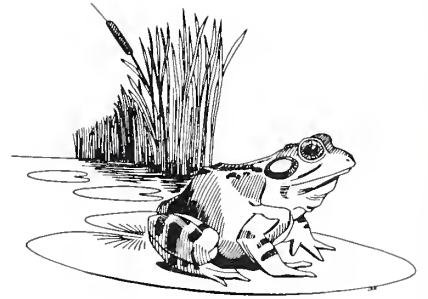
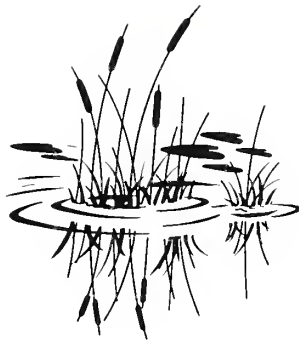
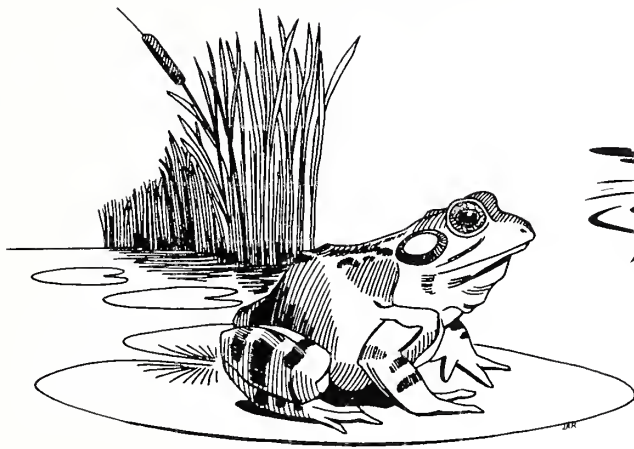


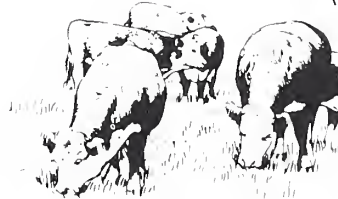


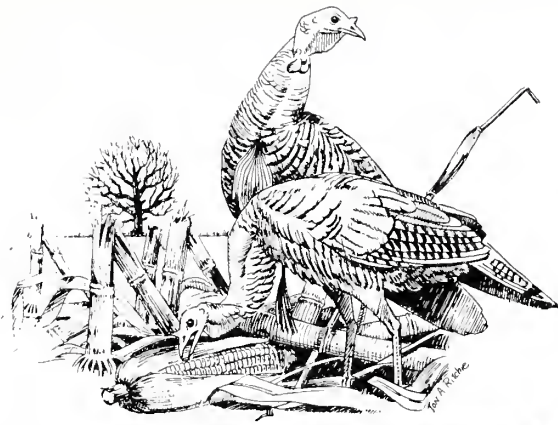


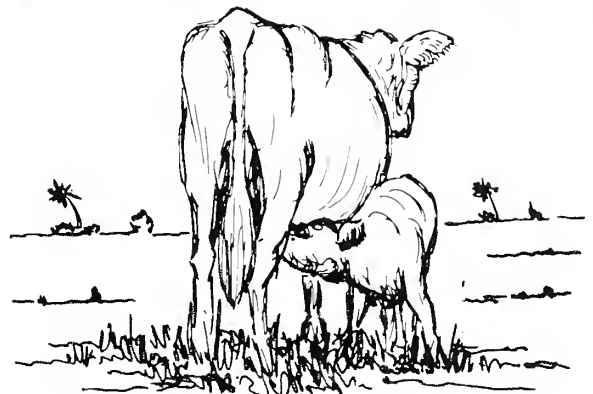
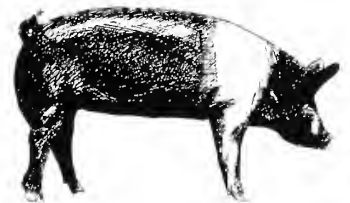
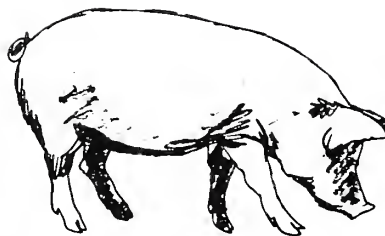
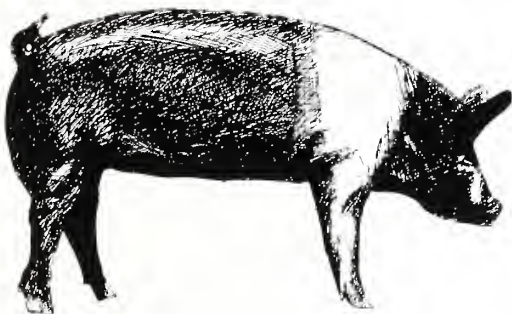
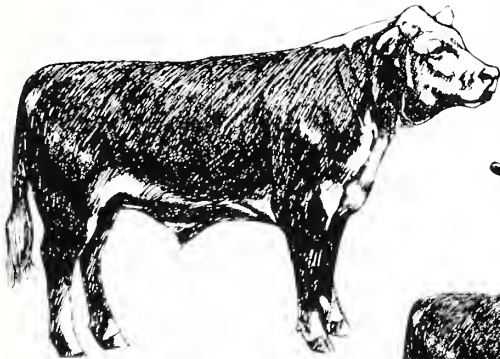


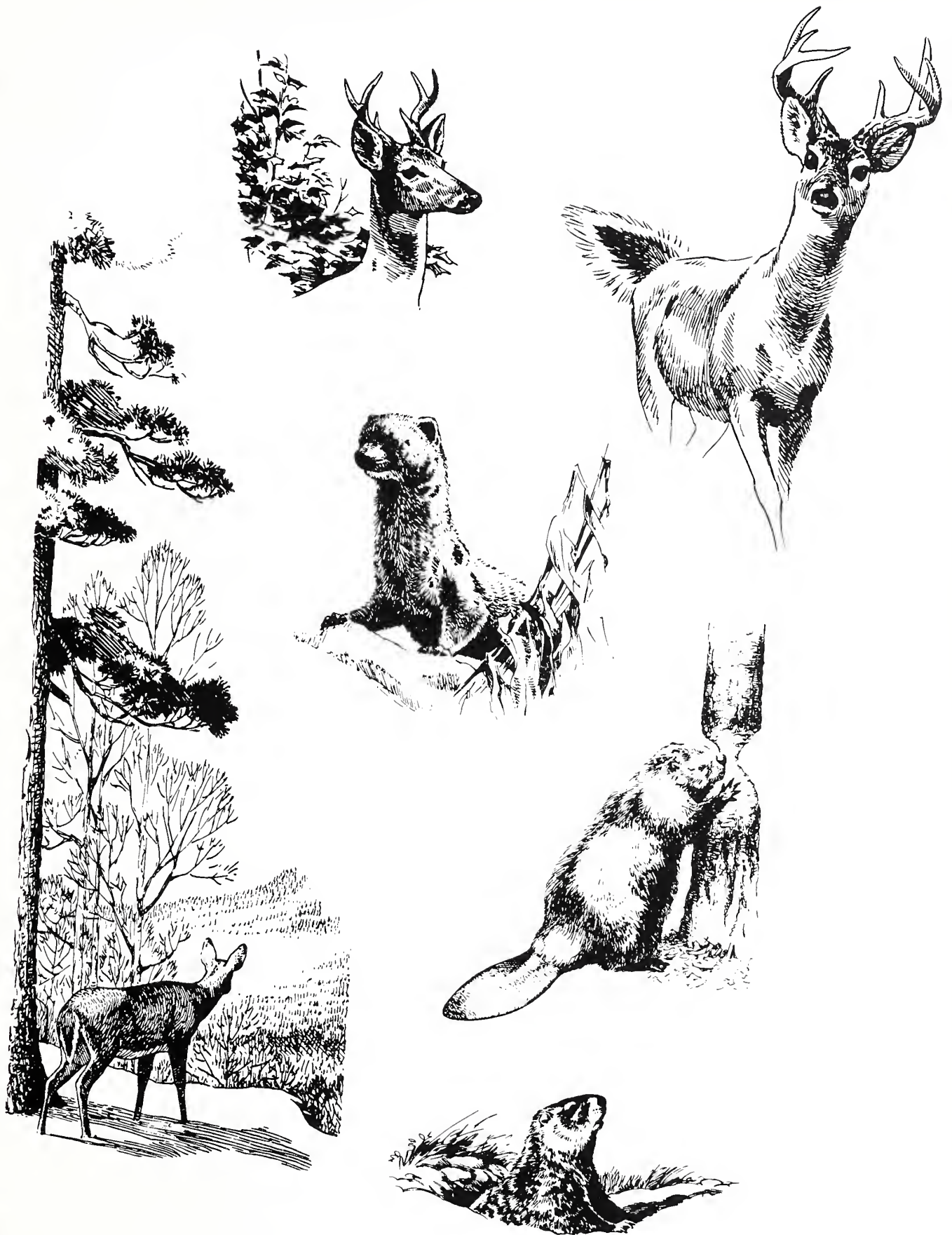


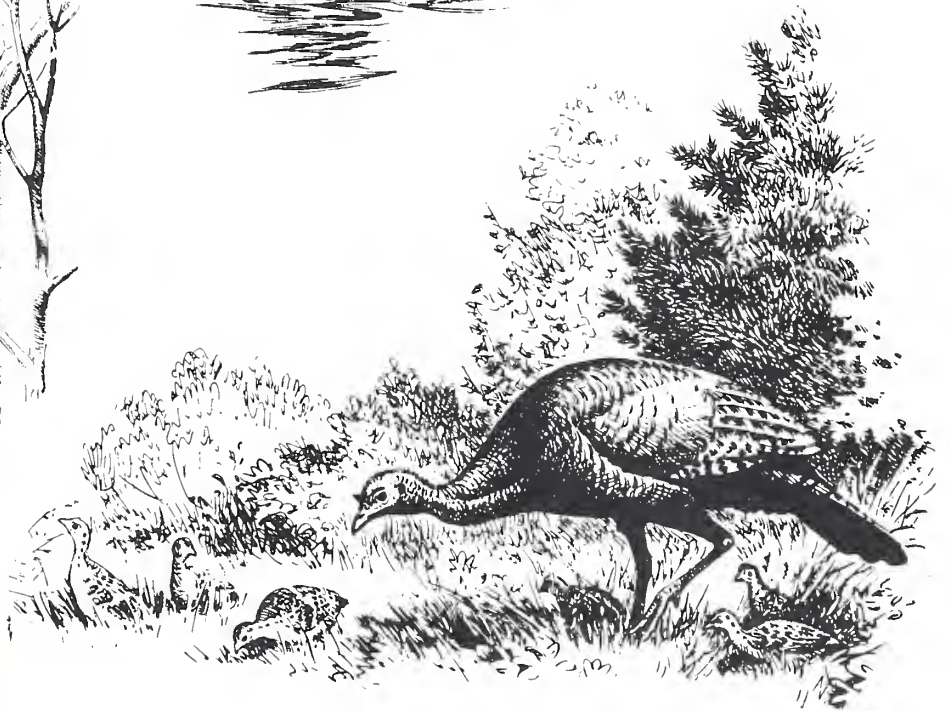
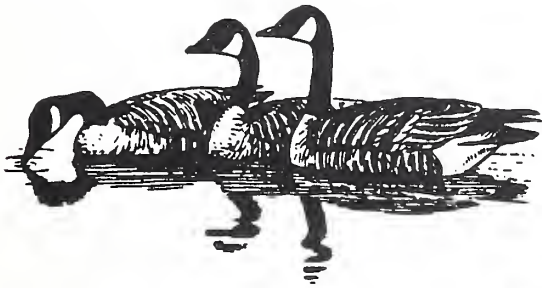
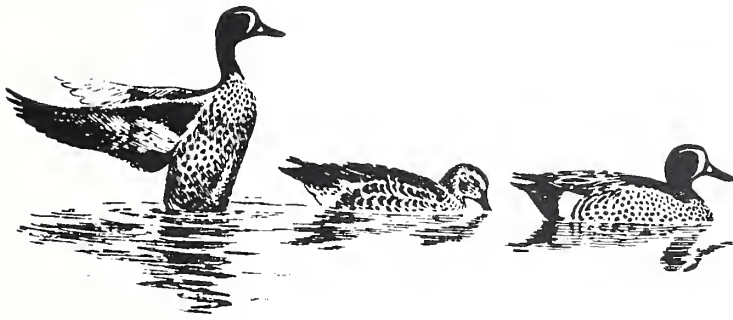


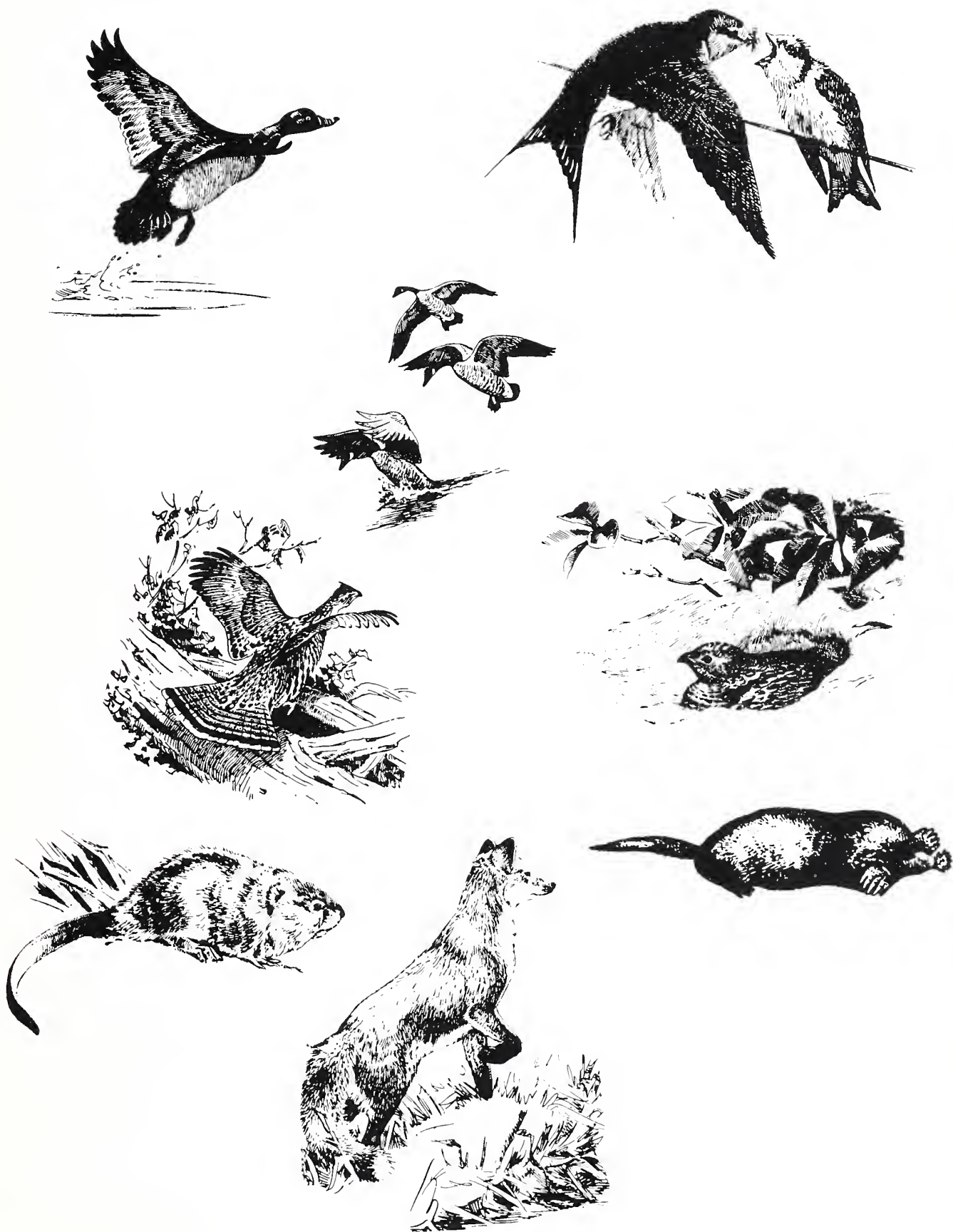


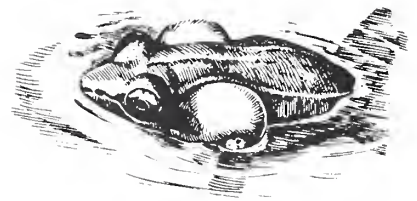


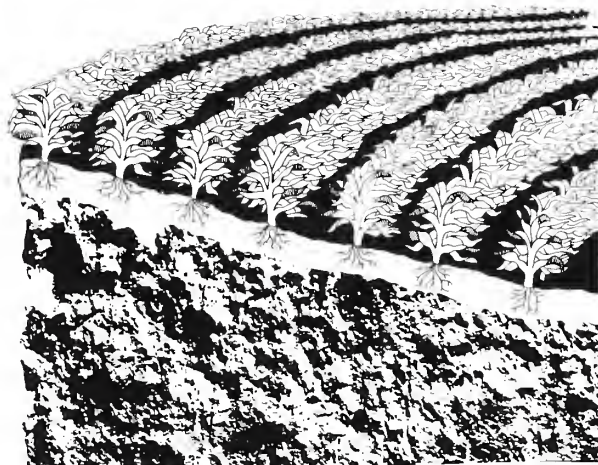
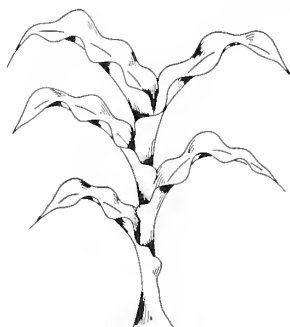


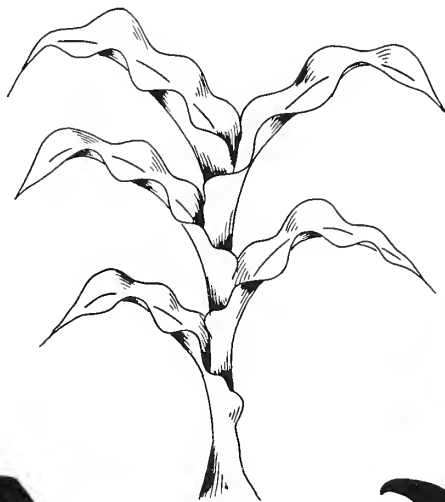
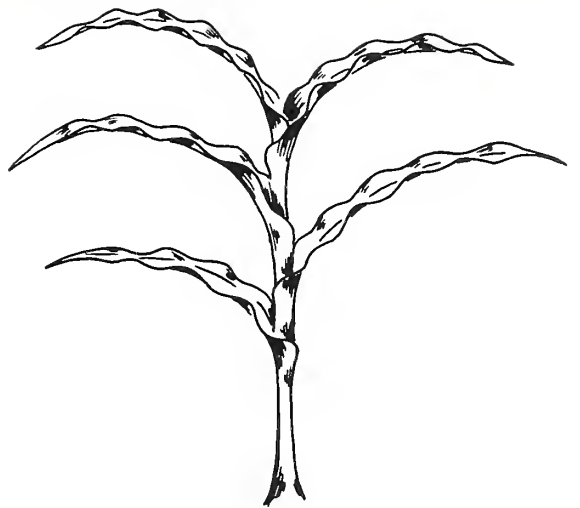
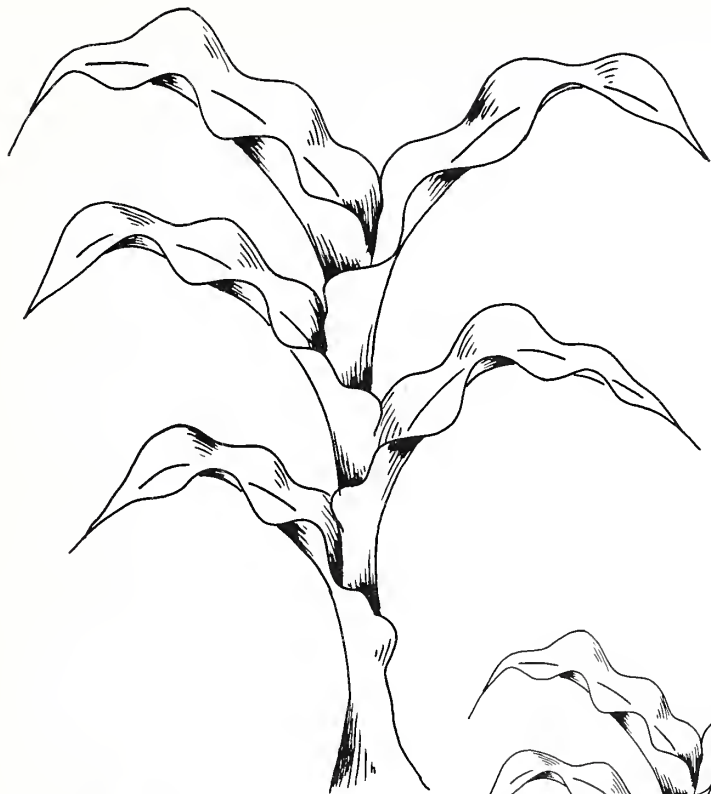








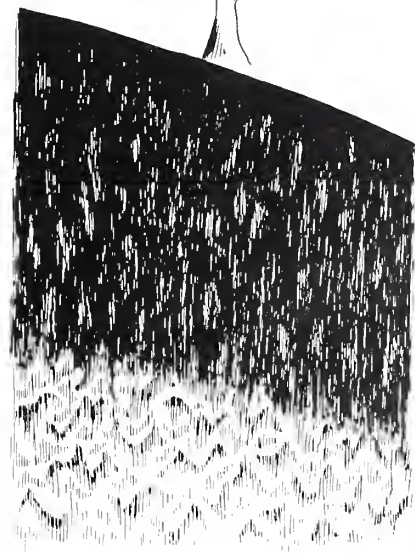
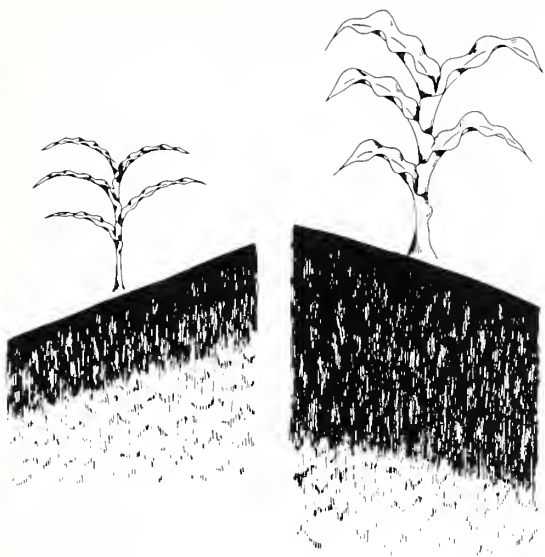




CROP ROTATION

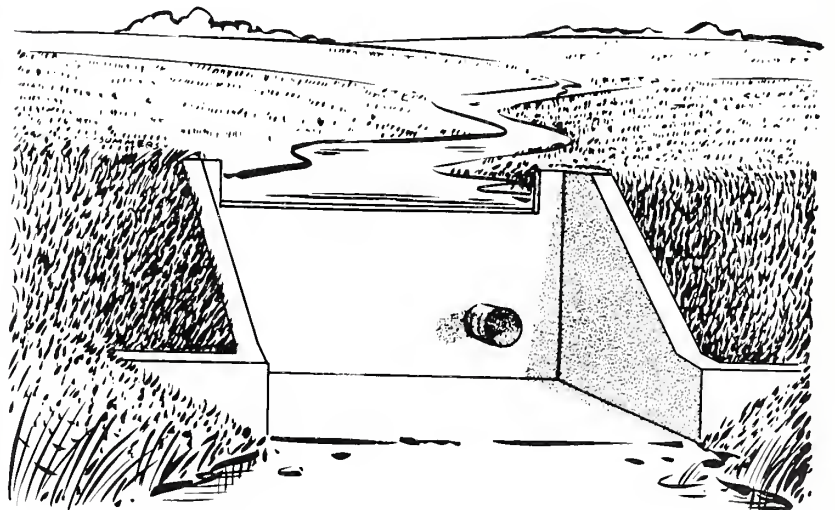


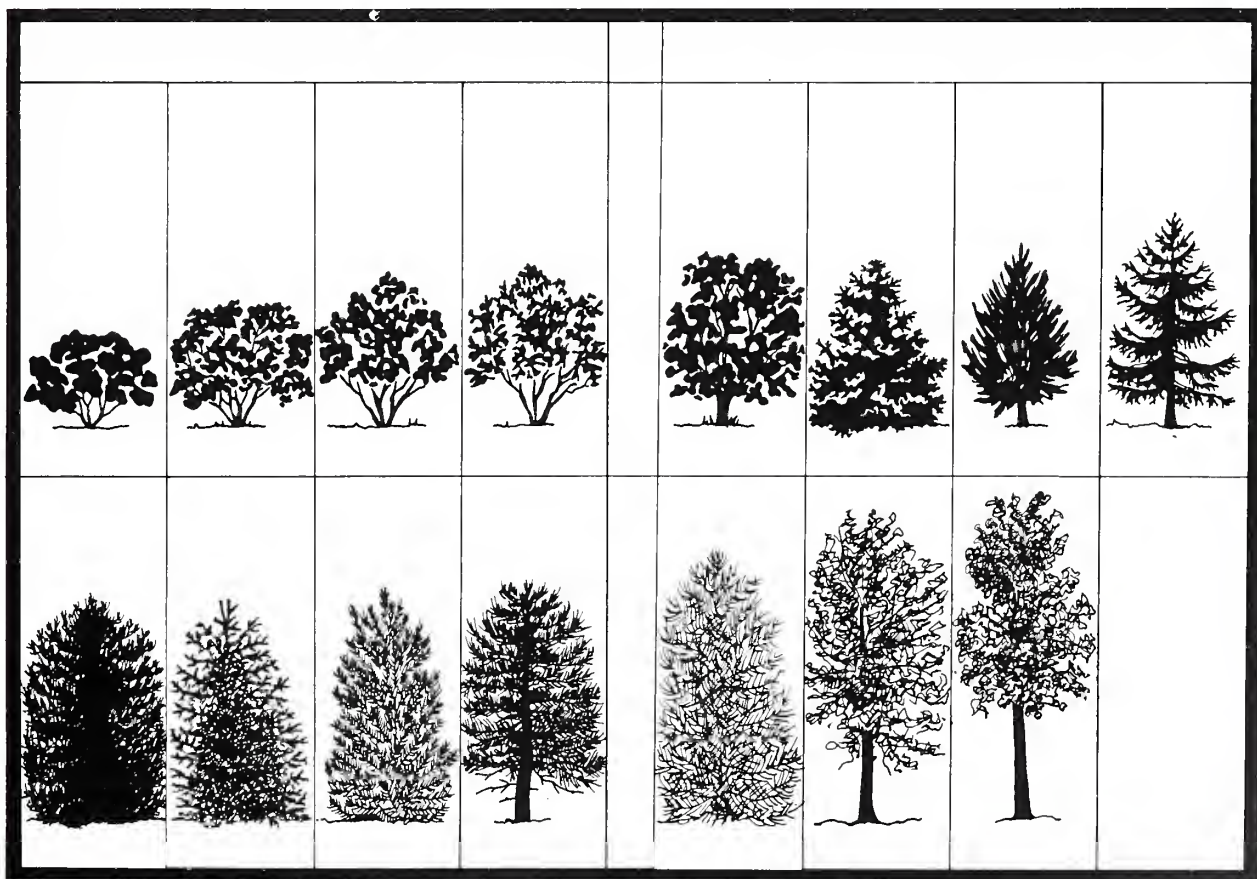
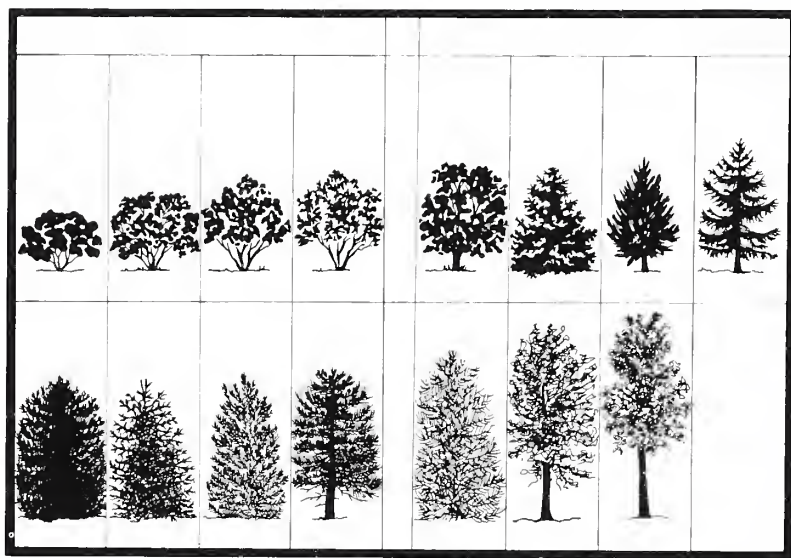
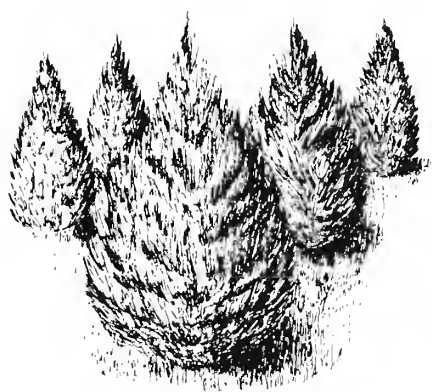
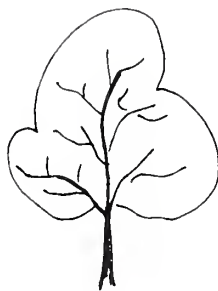


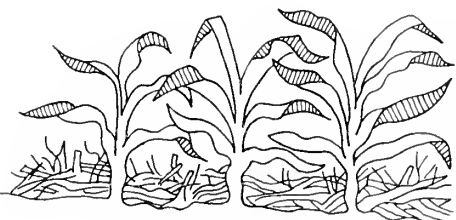
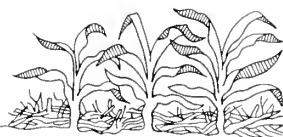
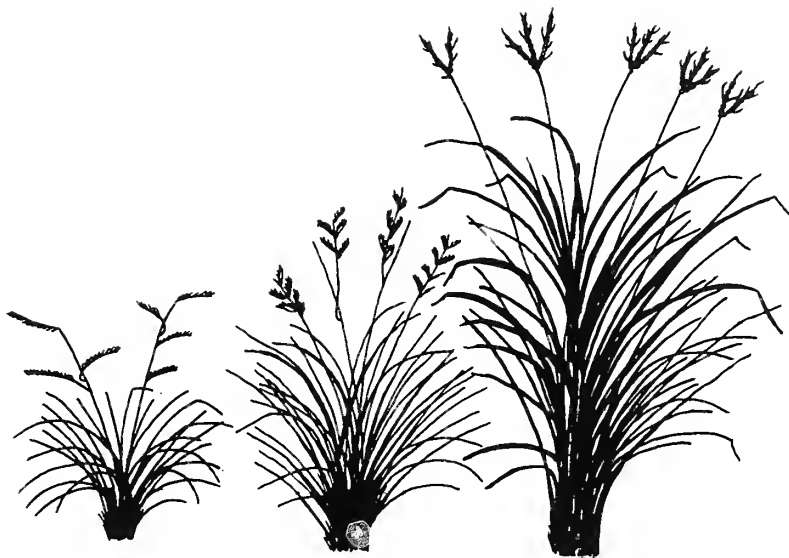


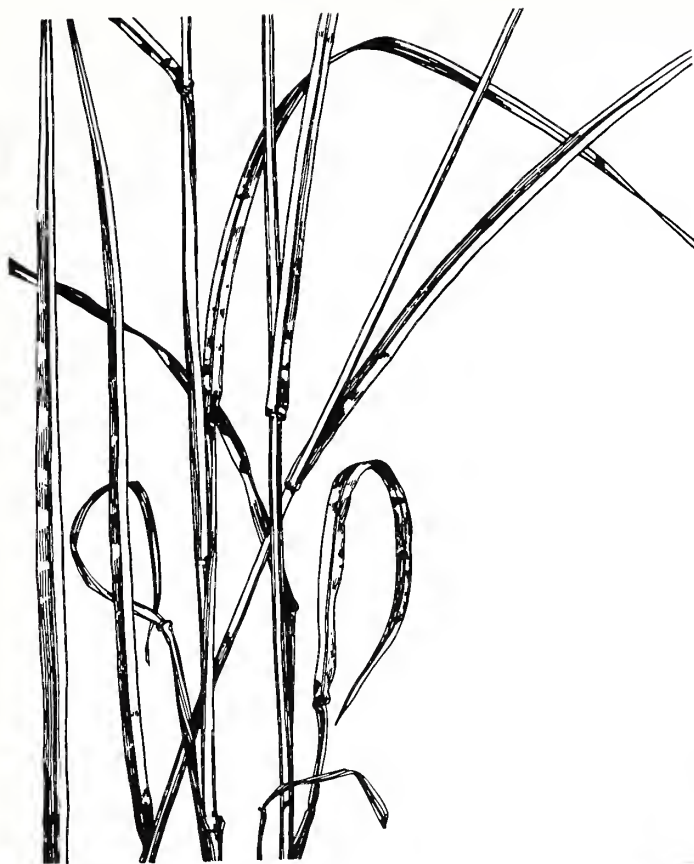


CROP ROTATION

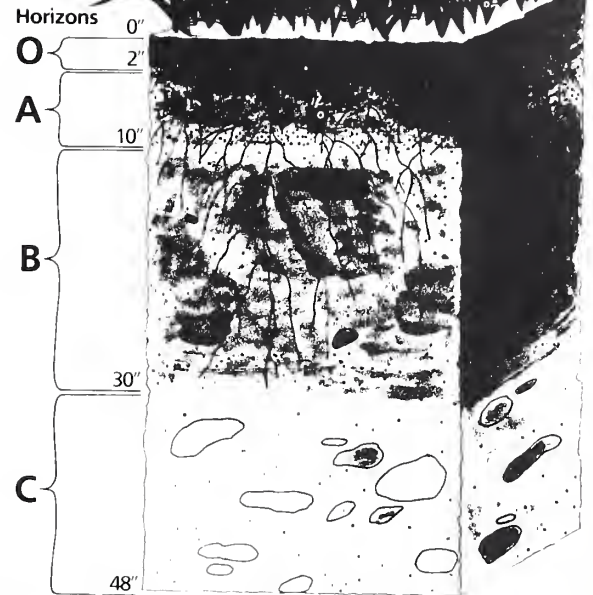




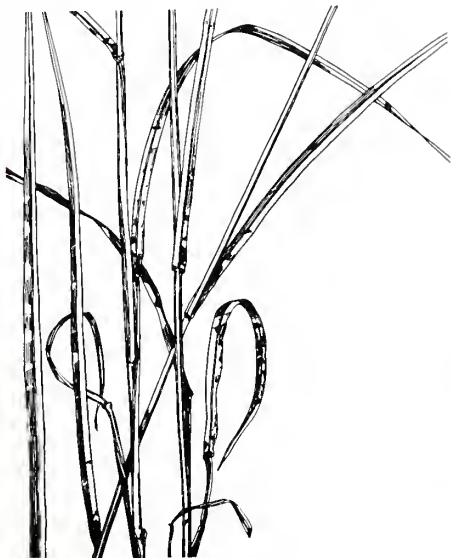
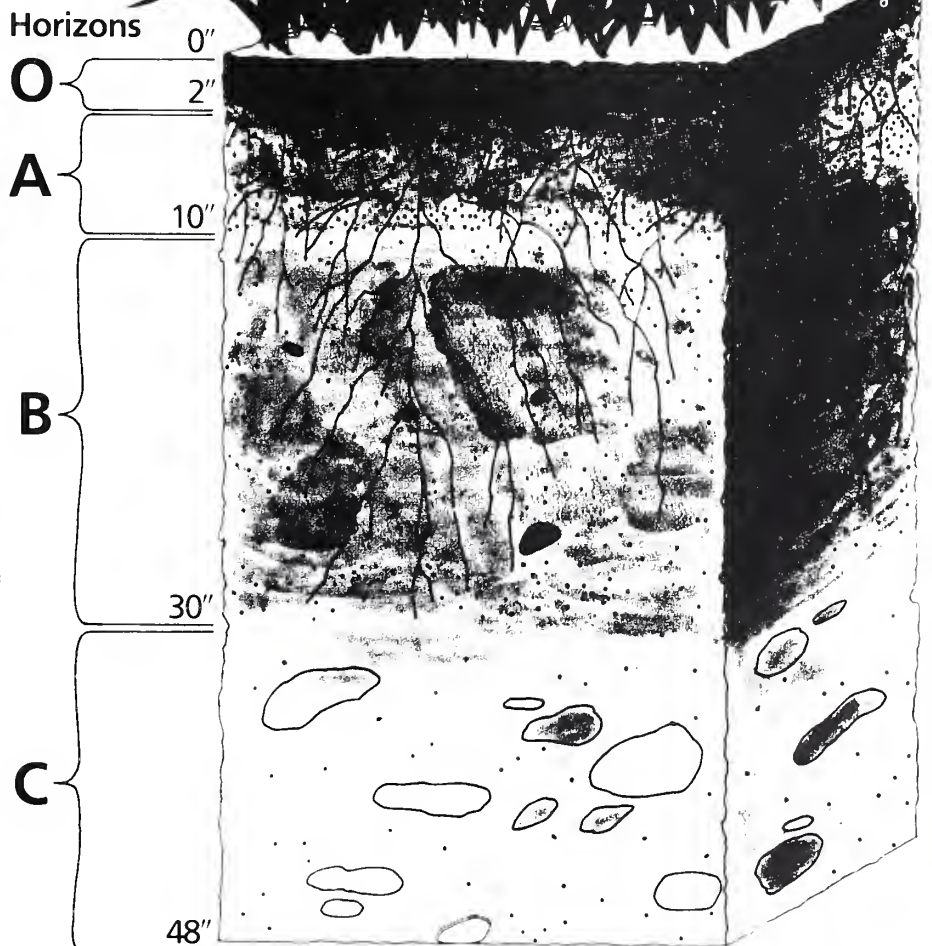




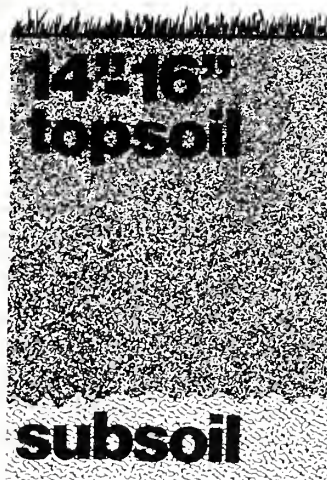
A Soil Profile



A Soil Profile



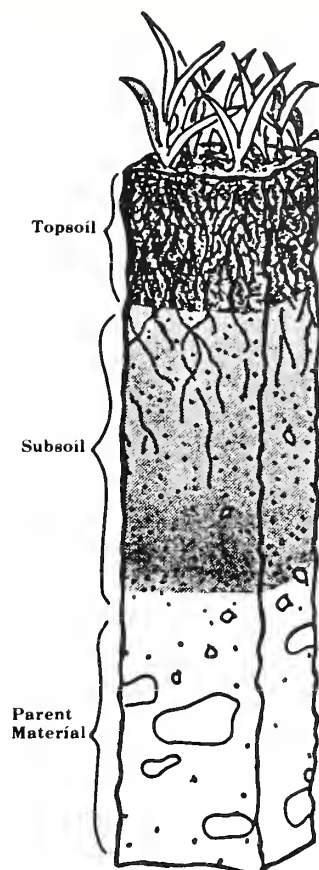




**100 Years
Ago**



Today

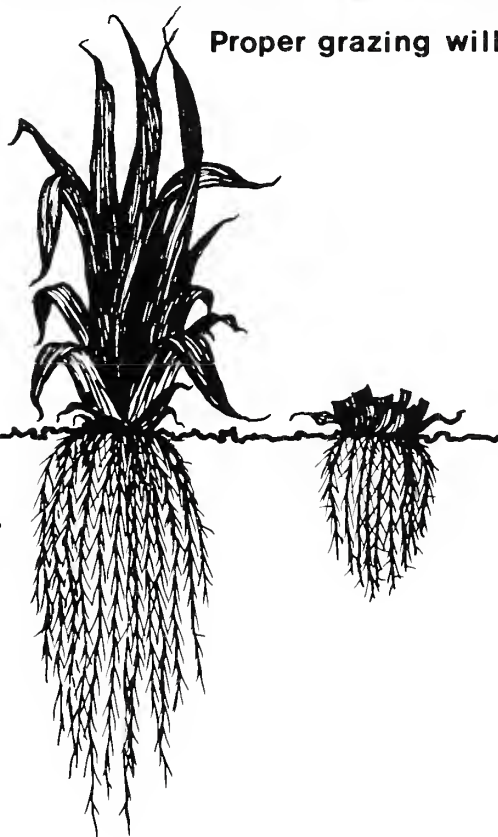


GRASS GROWS GREEN

Proper grazing will keep it growing

95 %
of plant food is
taken from the
AIR

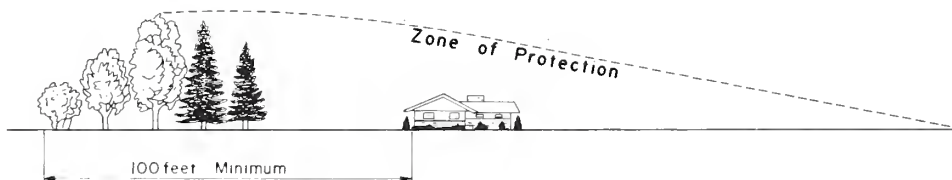
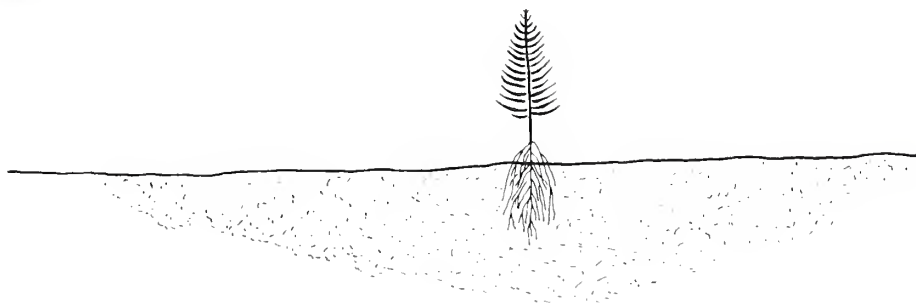
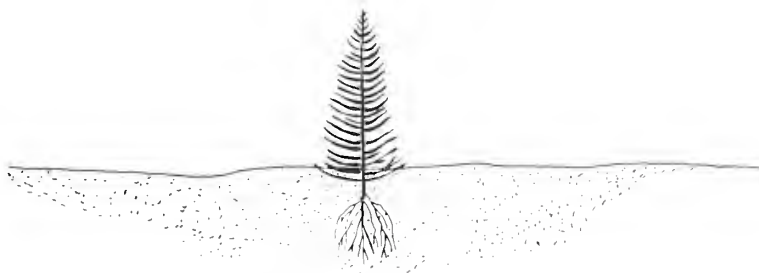
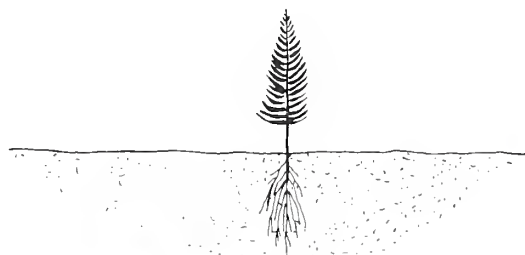
5 %
of plant food is
taken from the
SOIL



**Short tops mean
short roots**

**Short roots mean
less future grass
production**

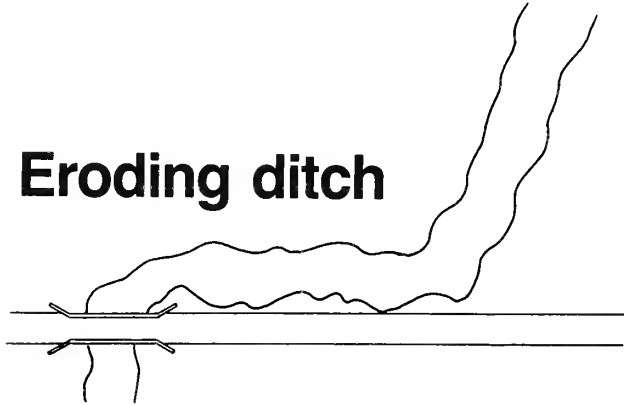
**Overgrazing destroys
both the leaves and
the roots!**



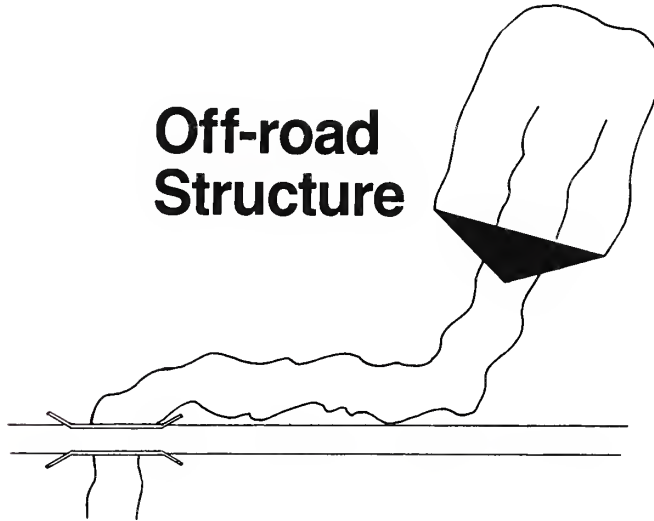
*a message from the
USDA Soil Conservation Service*

Road Structures

Eroding ditch

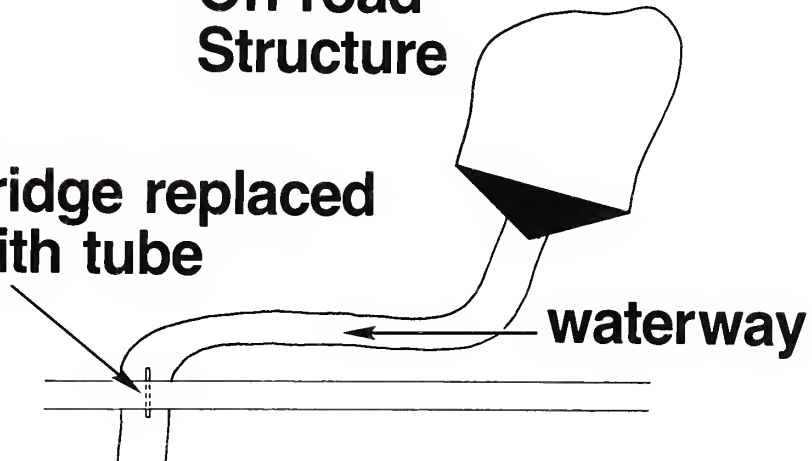


**Off-road
Structure**



**Off-road
Structure**

**bridge replaced
with tube**



terrace types

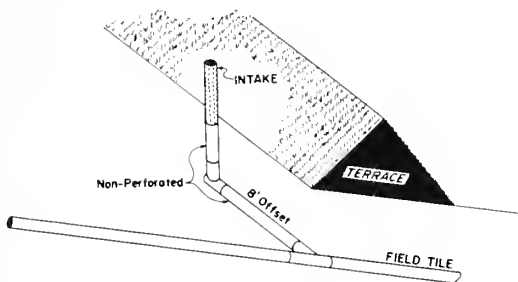


grass backslope



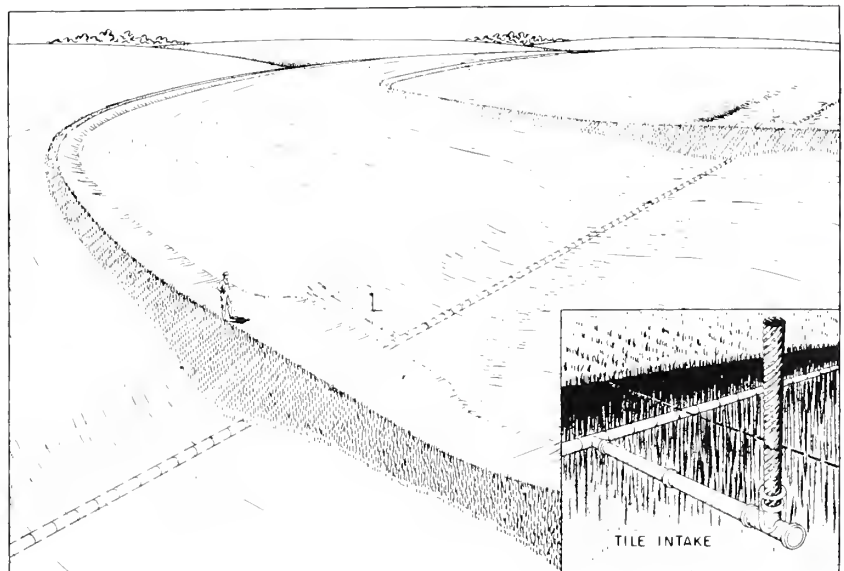
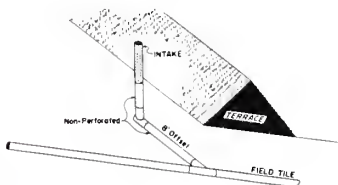
broad base

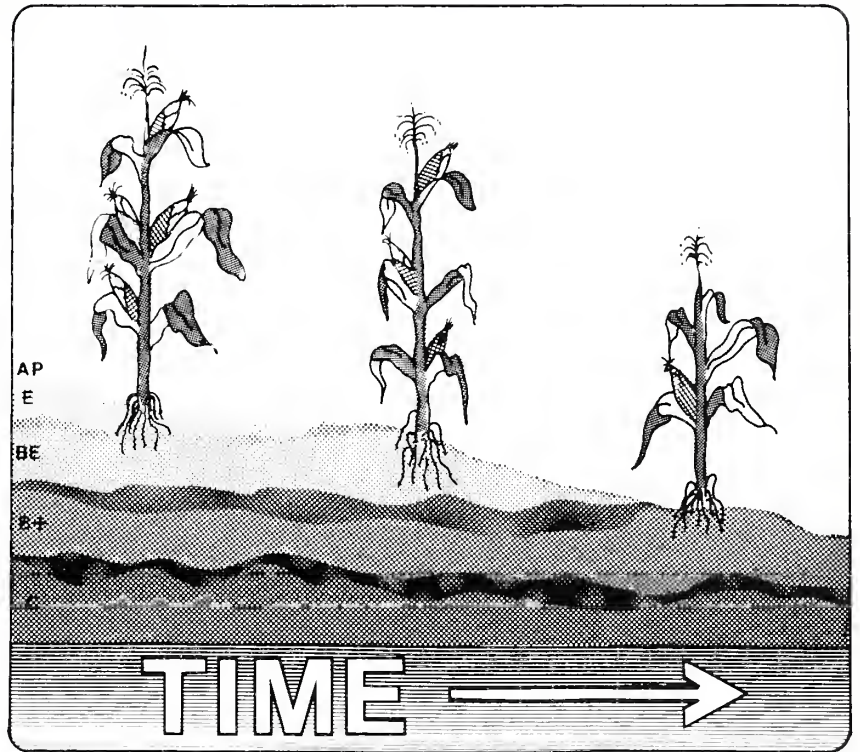
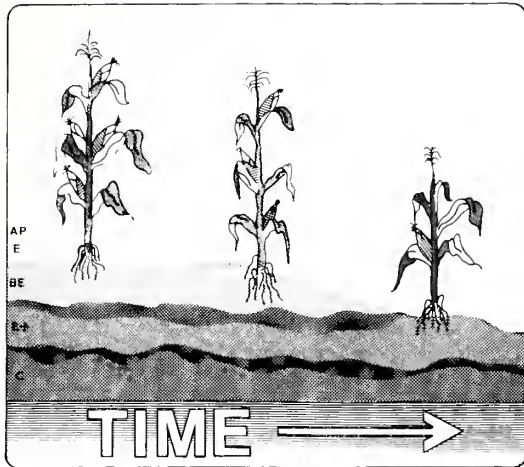
Terrace
Intake Installation



narrow base

Terrace
Intake Installation





A river free of silt is attractive to everyone, it floods less frequently, can provide transportation and recreation benefits.

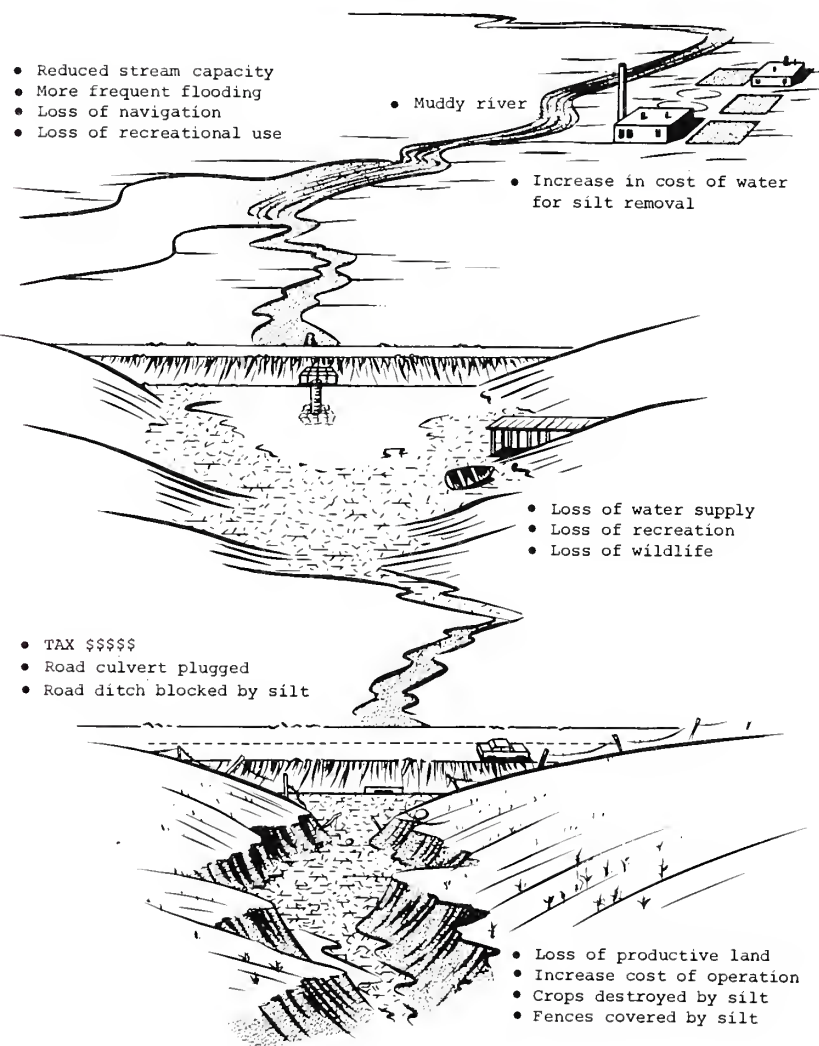
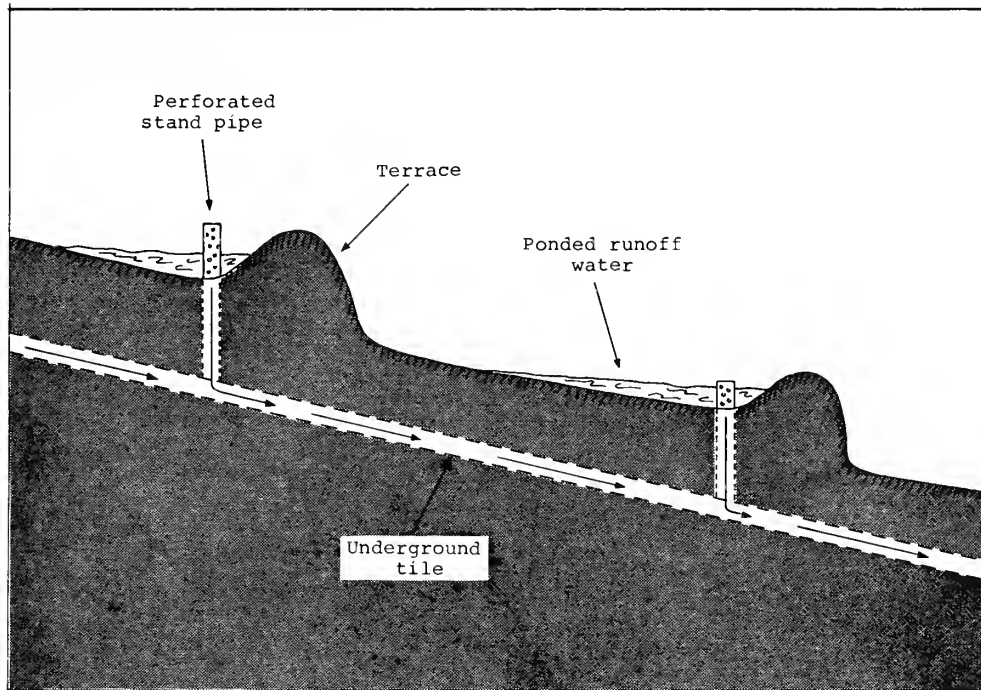
Clean river

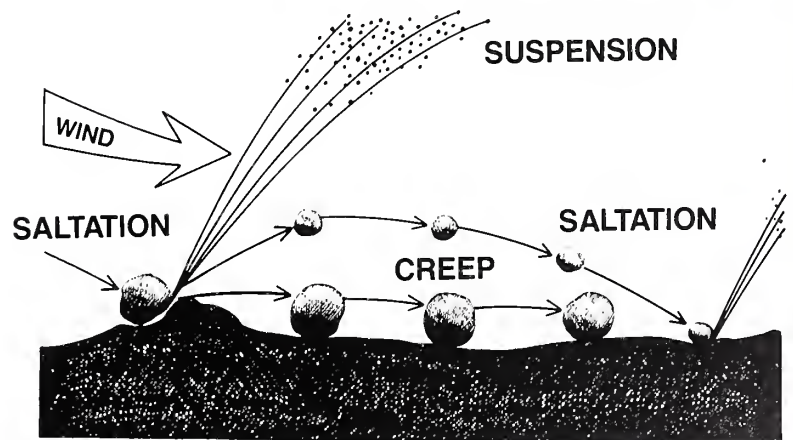
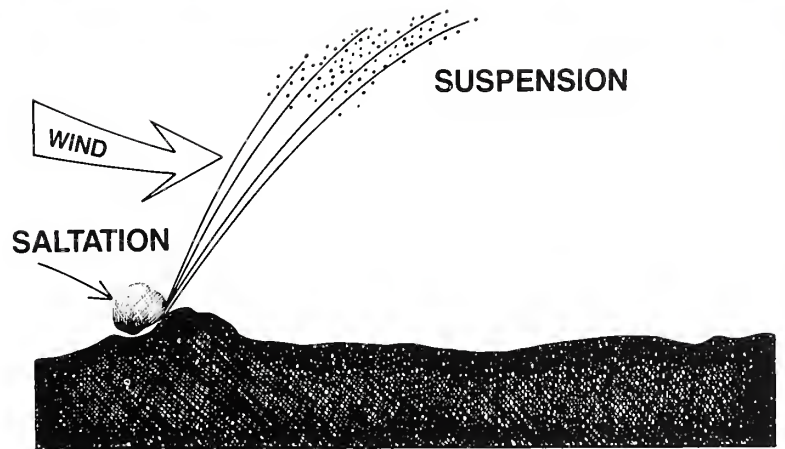
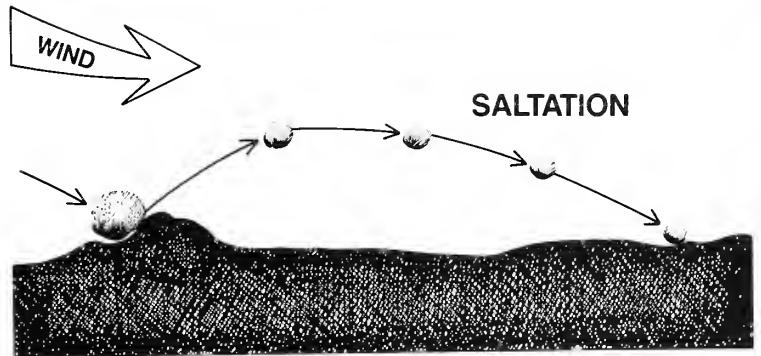
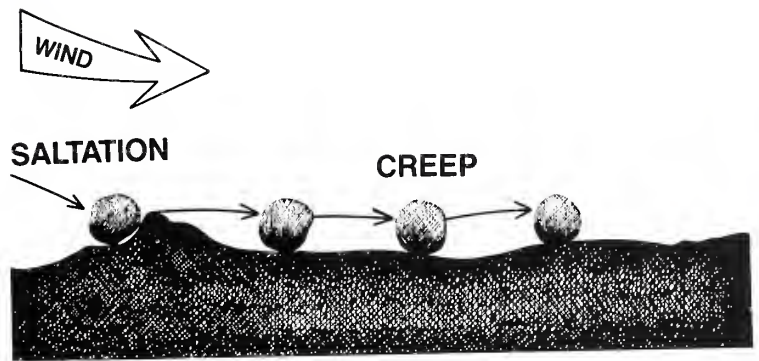
Less cost for clean water for domestic use

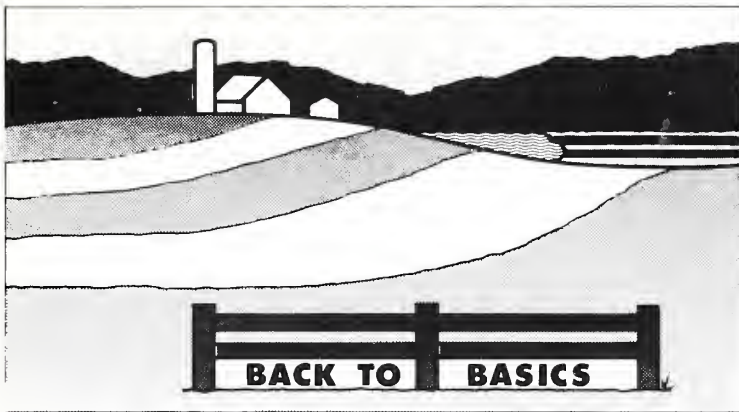
A clean reservoir provides additional water, attracts more wildlife and recreational use

Less road work is needed
Saving in tax \$\$\$

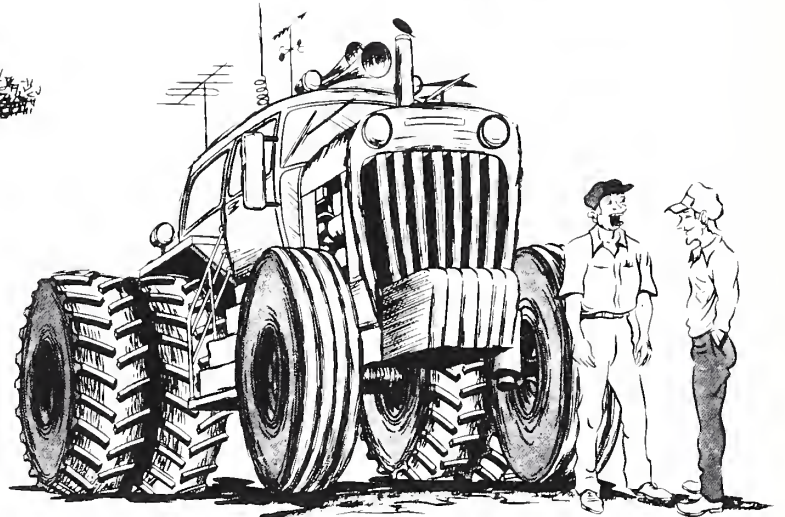
Soil remains in place to produce good healthful food



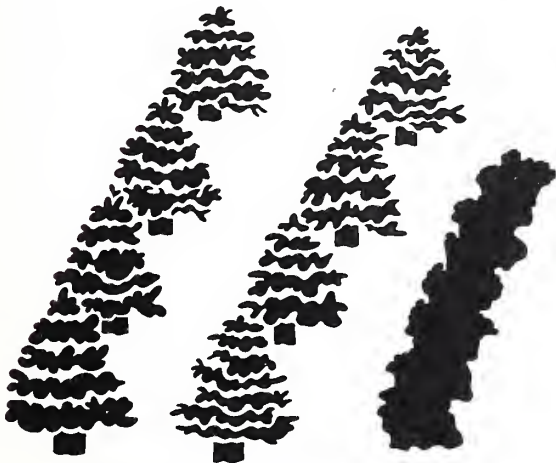
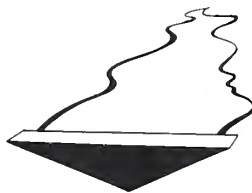




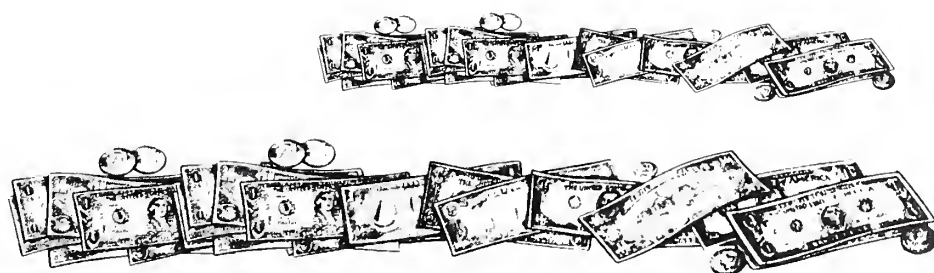
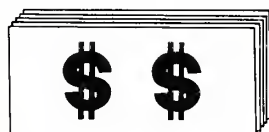
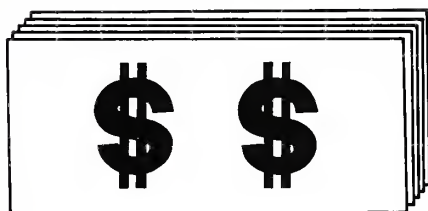
CROP ROTATION



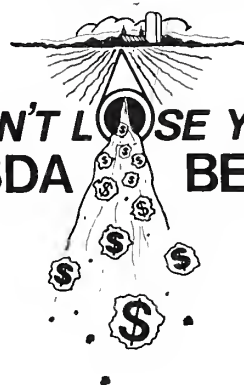
"Sold it to an Arab -- gonna go no-till."



"Can't afford to practice conservation?"

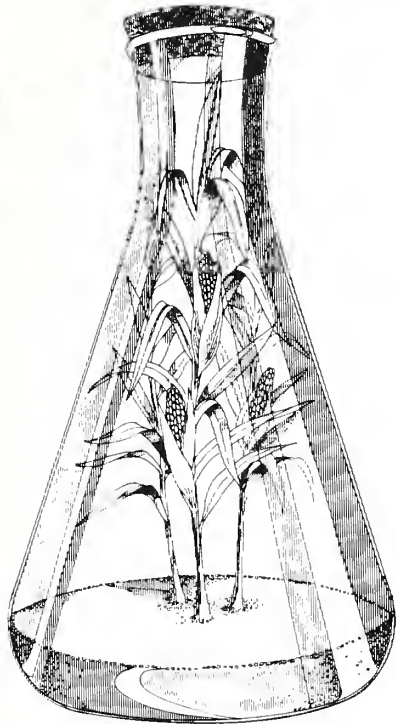


**DON'T LOSE YOUR
USDA BENEFITS**



**DON'T LOSE YOUR
SOIL AND YOUR
BENEFITS**

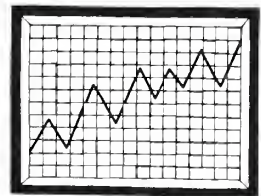
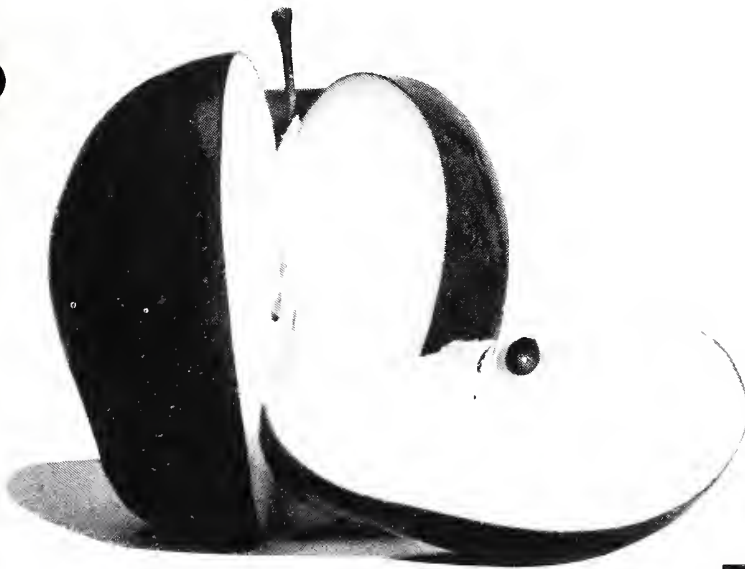




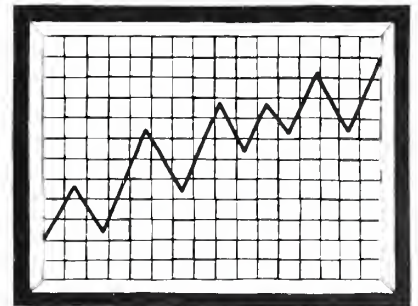
28 06 FEB 85 DSCW INC



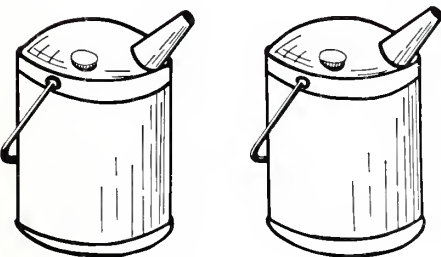
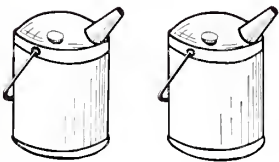
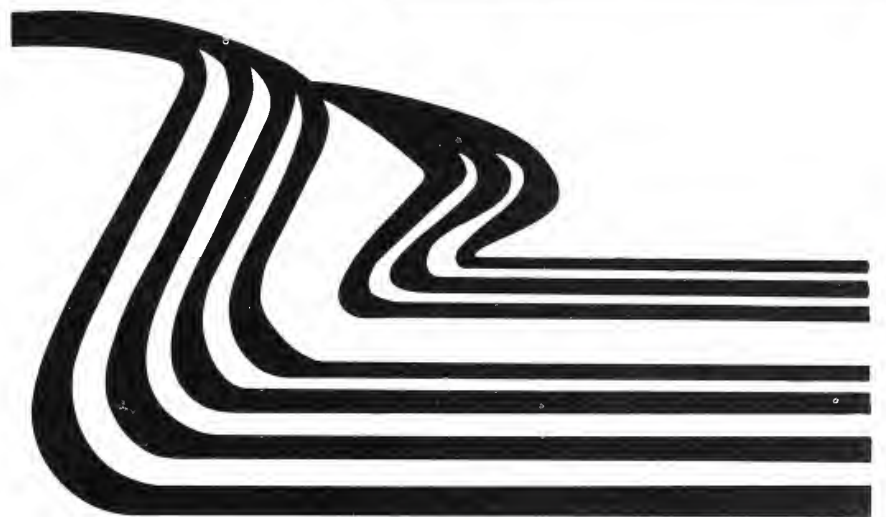
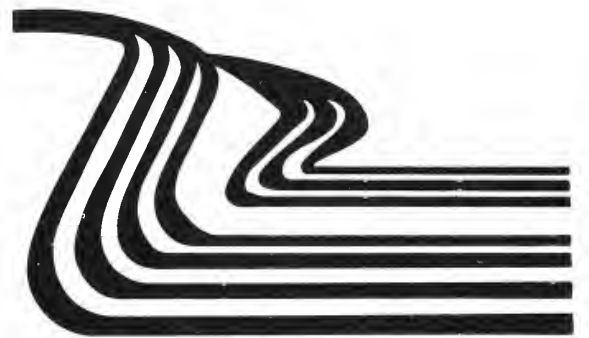
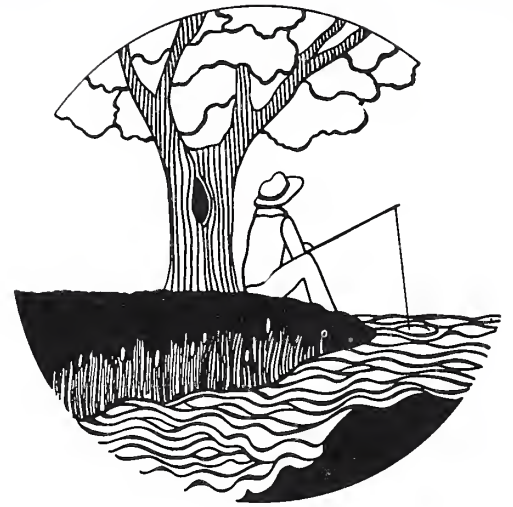
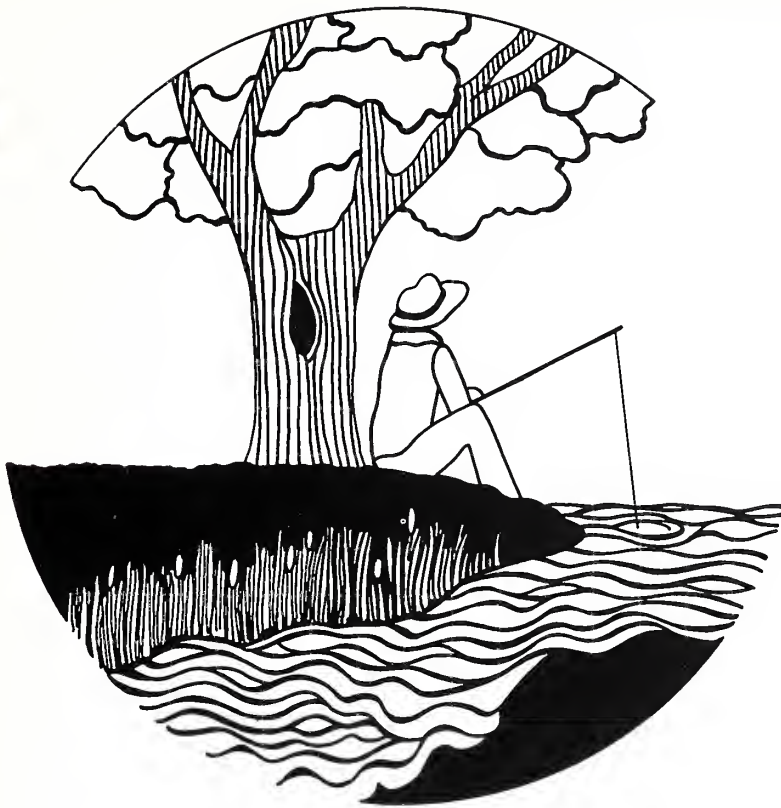
28 06 FEB 85 DSCW INC

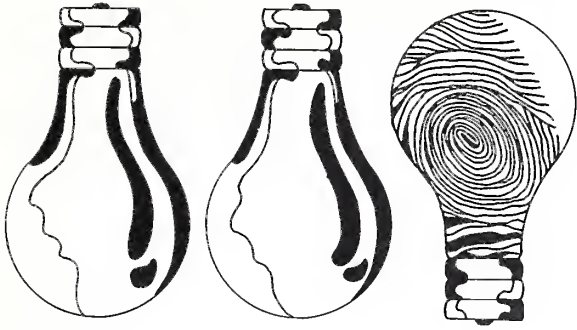


Progress

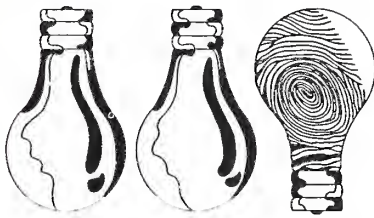
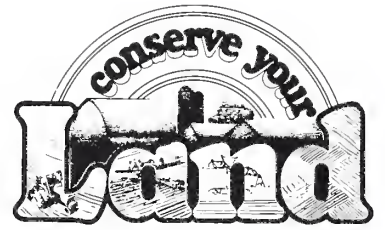


Progress

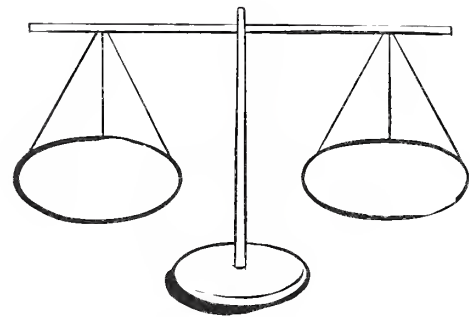


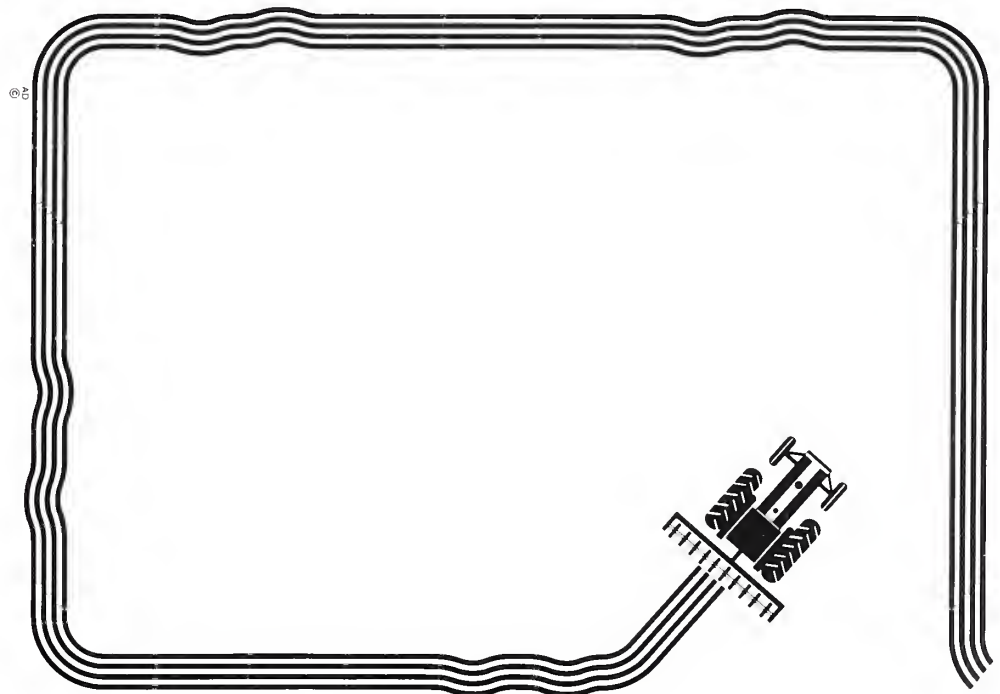
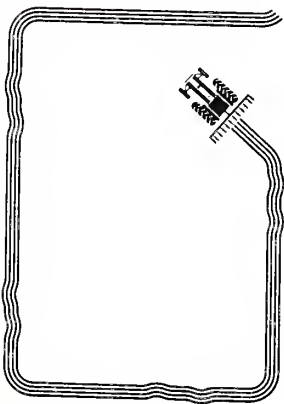
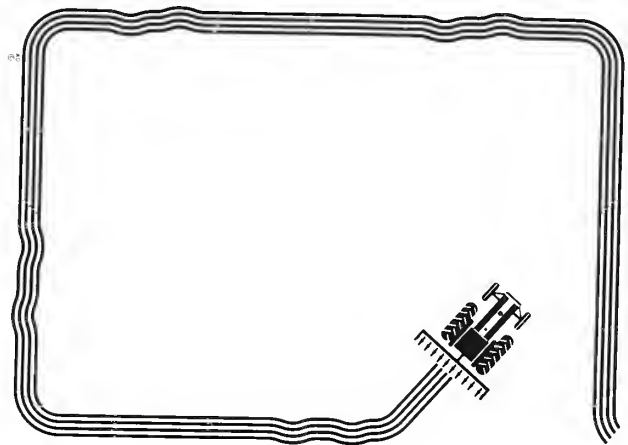
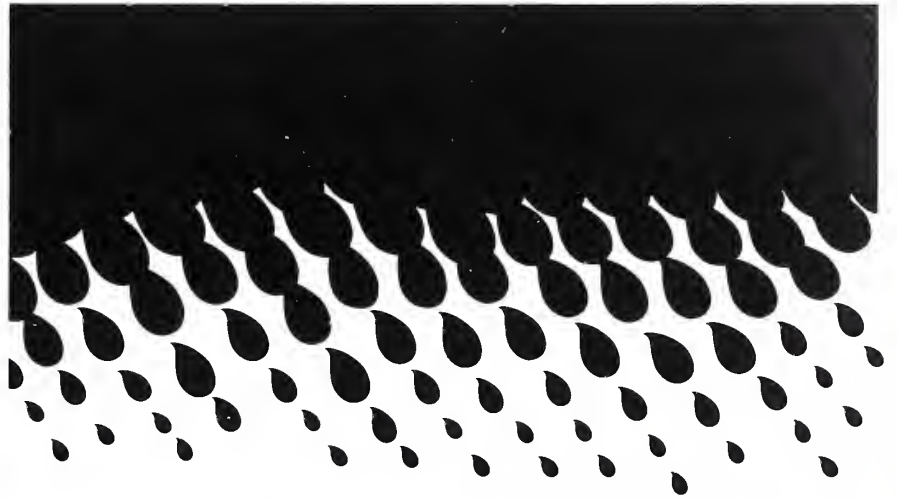


Community Idea Mill



Community Idea Mill





VIPS



Volunteers In
Protecting Soil

VIPS

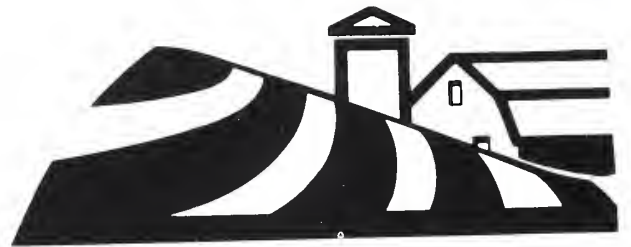


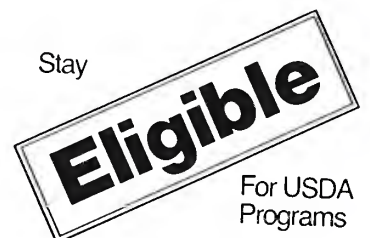
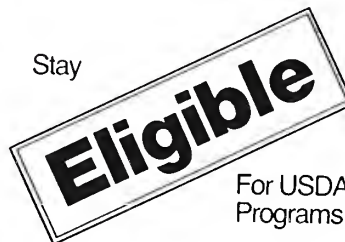
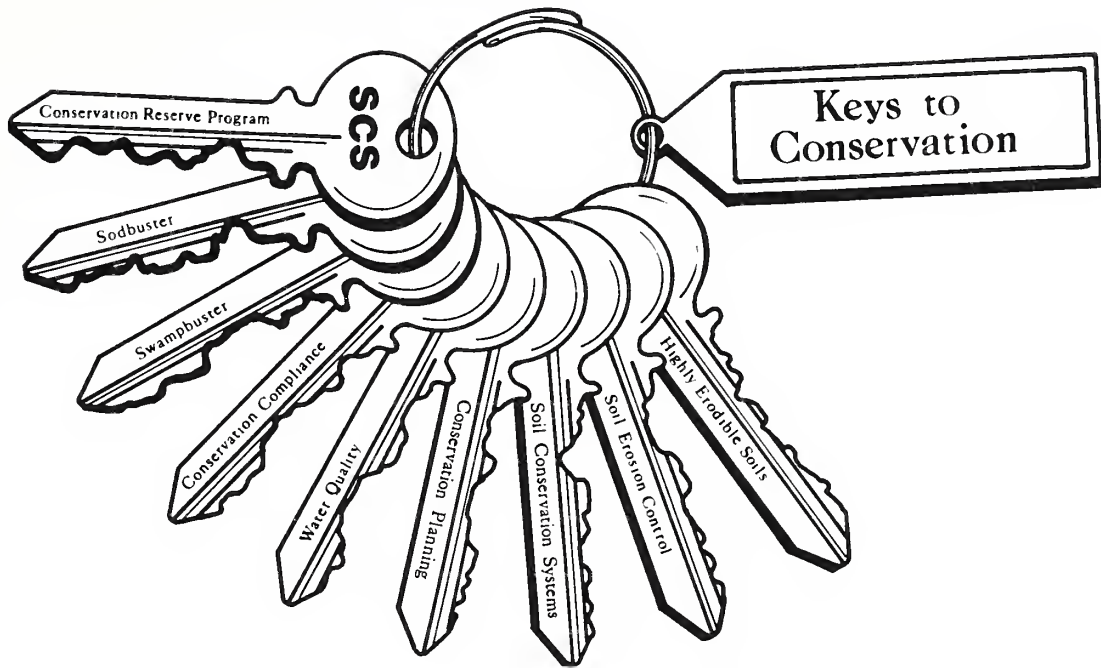
Volunteers In
Protecting Soil

VIPS



Volunteers In
Protecting Soil











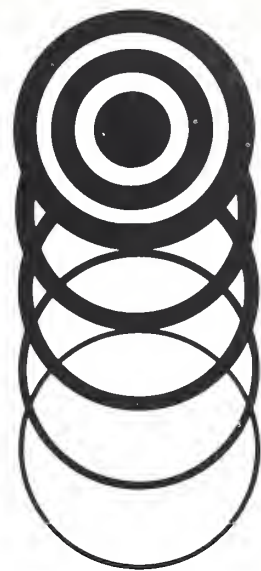
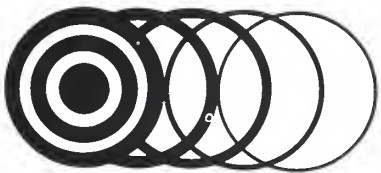
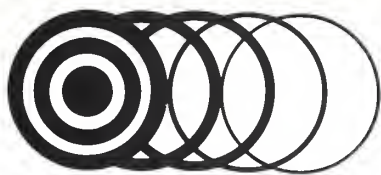
TAKE PRIDE IN AMERICA

Plant a Tree

TAKE PRIDE IN AMERICA

Plant a Tree





U.S. Department of Agriculture

Soil Conservation Service

NEWS

U.S. Department of Agriculture

Soil Conservation Service

NEWS

Save Soil Today for Food Tomorrow

Save Our Soil

A Conservation Farmer is Your Friend

Take Pride in America -- Plant a Tree

Take Pride in America -- Save Our Soil

Control the Splash with Conservation Tillage

For Land's Sake -- Keep it Under Cover

Save Soil Today for Food Tomorrow

A Conservation Farmer is Your Friend

Control the Splash with Conservation Tillage

For Land's Sake -- Keep it Under Cover

I give my pledge as an American to save and faithfully to defend from waste the natural resources of my country---its soil and minerals, its forests, waters, and wildlife.

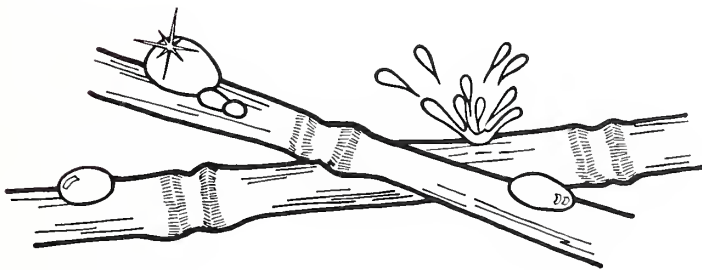
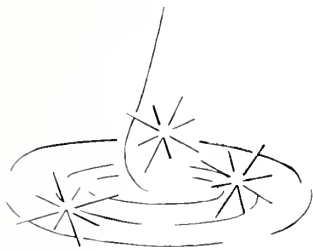
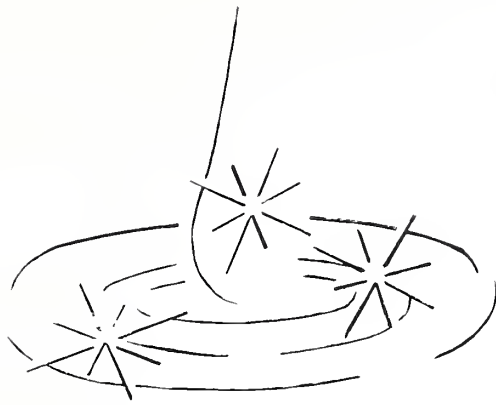
"a handful of individuals have always taken care of the resources at their feet—not always because it was fashionable but because it was right"

I give my pledge as an American to save and faithfully to defend from waste the natural resources of my country---its soil and minerals, its forests, waters, and wildlife.

Save Our Soil

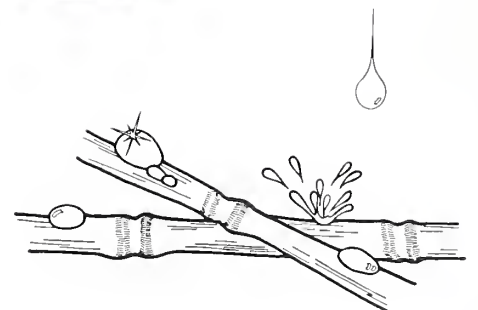
Take Pride in America -- Plant a Tree

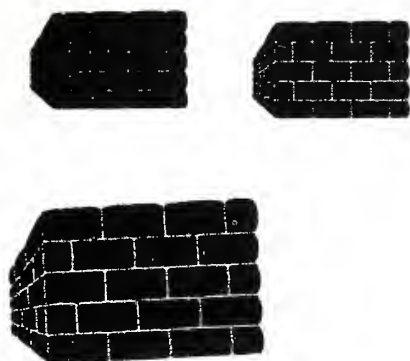
Take Pride in America -- Save Our Soil



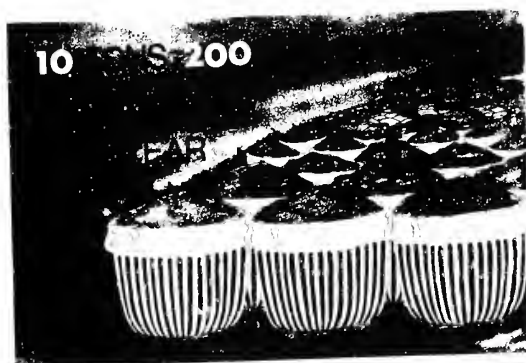
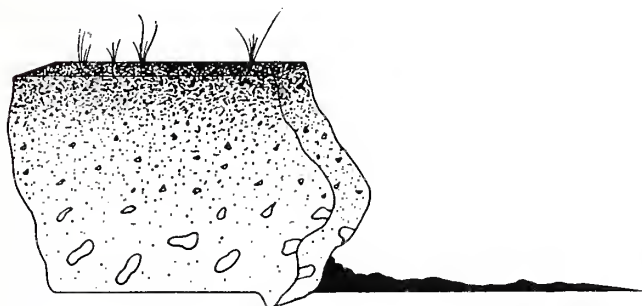
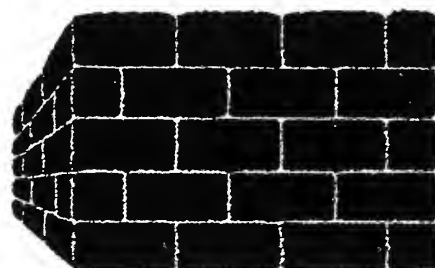
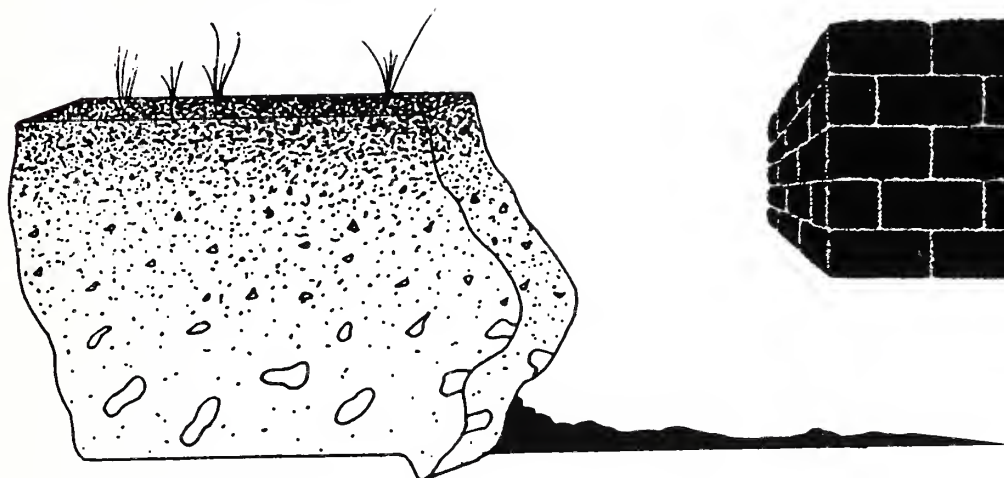
Public Law 566:

**Watershed
Protection and
Flood Prevention**

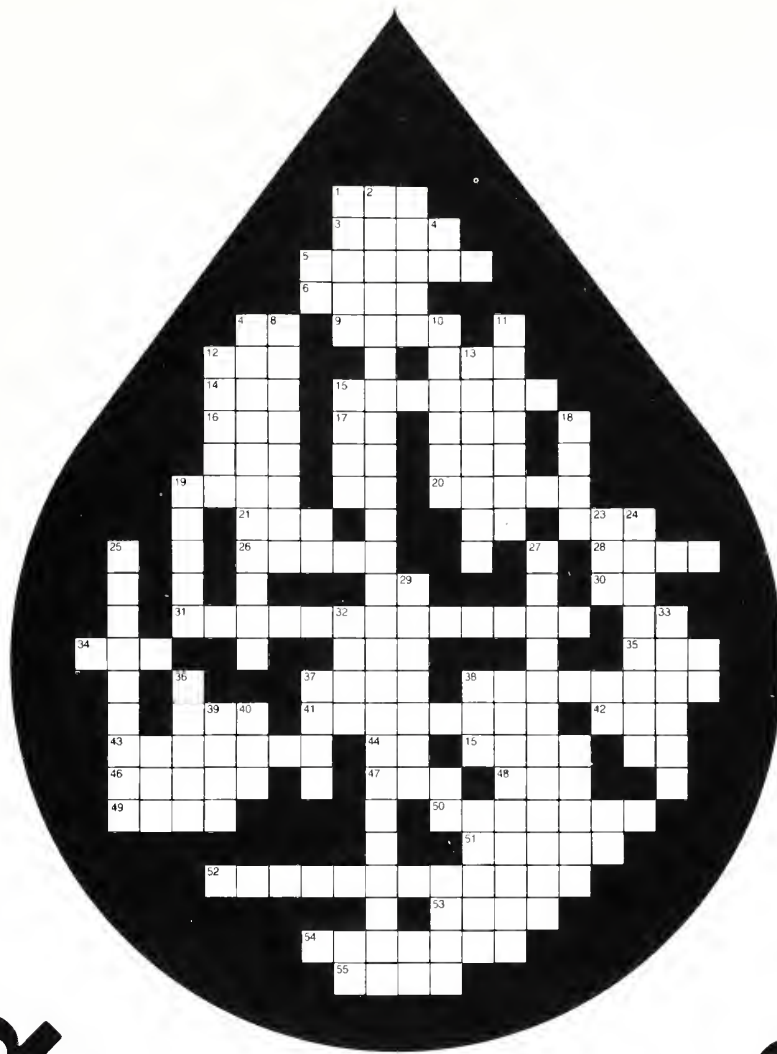




the time is now...



Soil and Water Conservation



Across

- 1 U. S. Department of Agriculture agency responsible for soil conservation (abbrev.)
- 3 Misplaced soil
- 5 Reveal
- 6 One of Iowa's most important natural resources
- 9 Soil Conservation Service helps farmers make a conservation _____ for their farm.
- 14 Grant Wood's paintings are _____
- 15 Soil saving land use that is for livestock
- 16 Farmers rarely wear these
- 17 Opposite of out
- 20 It's important to involve the _____ people in soil conservation
- 21 Short for laboratory
- 26 What a secretary does. (plural)
- 28 Car
- 30 Bachelor of Science (abbrev.)
- 31 A way of saving soil by alternating crops in the same field
- 34 President who started the Soil Conservation Service. (abbrev.)
- 35 Another word for insect
- 38 Responsible for soil conservation. _____
- 41 First U. S. department to handle soil conservation

- 42 Number of names the soil conservation agency has had.
- 43 The Soil Conservation Service is trying to stop soil _____
- 44 Iowa (abbrev.)
- 45 SOS means _____ Our Soil.
- 46 Delicious red fruit
- 47 Winners are number _____
- 48 A soil conserving crop
- 49 Leg joint
- 50 Farming across slope instead of up and down hill
- 51 The best farmland is called _____
- 52 Growing a variety of crops in the same field in different years to help conserve soil.
- 53 A major contributor to soil erosion
- 54 The most productive layer of soil
- 55 United States Department of Agriculture (abbrev.)

Down

- 2 CCC
- 4 Do, Re, Me, Fa, So, La _____
- 5 Another word for we
- 7 The Soil Conservation Service is a branch of the U. S. Department of _____

- 8 A strip in a field that handles excess water is a grassed _____
- 10 A soil conserving method of planting
- 11 A method of shortening slopes to conserve soil
- 12 The most common substance on earth; can cause erosion
- 13 Material that can be exposed by erosion. Is often less productive than topsoil.
- 15 Sloppy farm animals
- 18 Buddies
- 19 Soil saving crop that makes lawns.
- 23 New tractors have an air conditioned _____
- 24 Event that started the soil conservation movement 50 years ago
- 25 Trees planted to protect farmsteads form a _____
- 27 The Soil Conservation Service's goal is soil _____
- 29 Common oil crop grown in the Midwest
- 32 Common grain crop grown in the Midwest
- 33 Happens when rainfall doesn't soak in, causes erosion.
- 36 Another word for hill
- 37 Another contributor to erosion in Iowa, can be controlled with 25 down
- 39 Universal Soil Loss Equation (abbrev.)
- 40 16 across



Pasture Production Patterns

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Big Bluestem								
Indiangrass								
Switchgrass								

